## Chapter 3.5 Other Waters Identified for Delisting Since the 2006 Report

### Removing Waters from the 303(d) Impaired Waters List

Some waters contained in prior 303(d) Impaired Waters Lists are not listed as impaired in 2008. Additional monitoring has demonstrated that these waters are fully supporting Water Quality Standards. The tables that follow provide a list of those waters and their corresponding TMDL ID's and provides explanations for their delisting from the Impaired Waters List. This list of delisting candidates is in addition to the Category 4B/5E waters delisted in Chapter 3.4a, which EPA approved for delisting in 2006 and 2007. Data and other supporting documentation for all proposed delistings not already approved are being submitted to EPA for their review and approval. EPA must first approve delisting before any water may be removed from the Impaired Waters List.

In accordance with EPA Region III guidance, waters can be removed from Category 5 of the 303(d) Impaired Waters List for the following reasons:

- Subsequent assessments show that there are insufficient violations of Virginia's water quality criteria to define the water as impaired.
- A TMDL has been developed and approved by EPA and water is now meeting Standards.
- A treatment plant has implemented the water quality based effluent limit, through a change to its discharge permit, and water quality of the receiving stream is being maintained.

Waters that have approved TMDLs for one impairment but have additional impairments needing a TMDL are categorized on the 2008 Integrated List as Category 5D. Category 4A waters have completed TMDLs for all impaired parameters. In addition to fact sheets for impaired waters, the mapping application found at http://gisweb.deq.virginia.gov/, will also link to a completed TMDL study for each applicable water.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A12E_FOU01A00 | Fourmile Run | 0.0516 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A13E_HFF01A06 | Hooff Run | 0.005 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A13E_HUT01A02 | Hunting Creek | 0.5261 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A13R_BAL01A00 | Backlick Run | 6.46 Miles | Recreation | |

Delisting Summary:

DELIST - fecal coliform - VAN-A13R-01 / 00307

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1aBAL001.40) at the Route 401 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 1aBAL001.40 (1 of 12 samples - 8.3%) demonstrate that the segment is fully supporting the recreation use.

| | | | | |
|---|---|---|---|---|
| VAN-A14E_DOU01A00 | Dogue Creek | 0.7346 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | | | |
|---|---|---|---|---|---|---|
| VAN-A14E_LIF01A00 | Little Hunting Creek | 0.2461 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | | |
|---|---|---|---|---|---|---|
| VAN-A14E_POT01A08 | Potomac River | 0.818 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | | |
|---|---|---|---|---|---|---|
| VAN-A15E_ACO01A06 | Accotink Bay | 0.3528 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | | |
|---|---|---|---|---|---|---|
| VAN-A15E_POH01A00 | Gunston Cove | 1.5035 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | | |
|---|---|---|---|---|---|---|
| VAN-A15E_POH02A00 | Pohick Bay | 0.6091 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

PARTIAL DELIST - fecal coliform - 60041

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1aPOH002.32) to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 1aPOH002.32 (2 of 20 samples - 10.0%) demonstrate that the segment is fully supporting the recreation use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|
| **Potomac and Shenandoah River Basins** | | | | |
| VAN-A16E_POH01A06 | Pohick Bay | 0.2916 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation<br>Recreation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

PARTIAL DELIST - fecal coliform - 60041

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1aPOH002.32) to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 1aPOH002.32 (2 of 20 samples - 10.0%) demonstrate that the segment is fully supporting the recreation use.

| | | | |
|---|---|---|---|
| VAN-A19R_SOT01A00 | South Run | 2.31 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - fecal coliform - VAN-A19R-04 / 00228

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (1aSOT001.44) at the Route 215 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 1aSOT001.65 (1 of 12 samples - 8.3%), at the Route 652 crossing, demonstrate that the segment is fully supporting the recreation use.

A bacteria TMDL for the South Run watershed was developed and approved by the U.S. EPA on November 15, 2006. The sources of bacteria include runoff from livestock grazing, manure applications, human contributions through straight pipes and failing septic systems, and wildlife and domestic pets waste. Federal ID 32108.

| | | | |
|---|---|---|---|
| VAN-A23R_BUL02A02 | Bull Run | 4.79 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - fecal coliform - VAN-A23R-01 / 00235

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 21 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (1aBUL010.28) at the Route 28 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 1aBUL010.28 (1 of 12 samples - 8.3%) demonstrate that the segment is fully supporting the recreation use.

A bacteria TMDL for the Bull Run watershed was developed and approved by the U.S. EPA on November 15, 2006. The sources of bacteria include runoff from livestock grazing, manure applications, human contributions through straight pipes and failing septic systems, and wildlife and domestic pets waste. Federal ID 32110.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_NEA01A00 | Neabsco Bay | 0.5425 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - pH - VAN-A25E-02 / 00308

For the 2006 water quality assessment, sufficient excursions above the upper limit of the pH criterion range (3 of 17 samples - 18.0%) were recorded at DEQ's ambient water quality monitoring station (1aNEA000.40, though incorrectly referenced as 1aNEA000.57 in 2006) to assess this stream segment as not supporting of the aquatic life use goal. However, for the 2008 Integrated Assessment, pH monitoring at stations1aNEA000.40 (1 of 25 samples - 4.0%) and 1aNEA000.57 (0 of 50 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_NEA20A02 | Neabsco Creek | 0.2315 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC01A04 | Occoquan Bay | 0.4698 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC02A00 | Occoquan Bay | 0.6332 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC03A04 | Belmont Bay (Occoquan River) | 0.2855 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC04A02 | Belmont Bay | 0.4121 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC04B08 | Occoquan River/Massey Creek | 0.6686 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC05A02 | Occoquan River | 0.0843 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-A25E_OCC20A02 | Occoquan Bay/Belmont Bay | 5.03 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A25E_POT20A02 | Occoquan Bay/Belmont Bay | 0.1645 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_CHO01A04 | Chopawamsic Creek | 0.6455 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_CHO01B06 | Chopawamsic Creek | 0.3357 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_CHO02A00 | Chopawamsic Creek | 0.1143 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_POT20A02 | Quantico Creek/Powells Creek | 1.0454 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_POW01A02 | Powells Creek | 0.2285 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A26E_POW02A02 | Powells Creek | 0.3983 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_QUA01A04 | Quantico Creek | 0.4259 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A26E_QUA02A06 | Quantico Creek | 0.2778 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60124

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the POTTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAN-A28E_AUA01A06 | Aquia Creek | 0.5251 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A28E_AUA01B00 | Aquia Creek | 0.3638 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A28E_AUA01C06 | Aquia Creek | 0.578 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A28E_AUA02A04 | Aquia Creek | 0.2343 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A28E_AUA20A02 | Aquia Creek | 2.0086 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_ACC01A00 | Accokeek Creek | 0.3637 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POM01A04 | Potomac Creek | 0.4333 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POM01B06 | Potomac Creek | 0.6616 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POM02A02 | Potomac Creek | 0.6001 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

PARTIAL DELIST - pH - VAN-A29E-01 / 00815

For the 2006 water quality assessment, sufficient excursions above the instantaneous pH criterion range (2 of 17 samples - 11.8%) were recorded at DEQ's ambient water quality monitoring station (1aPOM002.41) to assess this assessment unit as not supporting of the aquatic life use goal. However, for the 2008 Integrated Assessment, pH monitoring at station 1aPOM002.41 (0 of 31 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POM03A08 | Potomac Creek | 0.3212 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POM20A04 | Potomac Creek | 0.5131 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POT01A06 | Fairview Beach/ Potomac River | 0.0119 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

| | | | | |
|---|---|---|---|---|
| VAN-A29E_POT20A06 | Potomac River | 0.1306 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - 60123

While the 2006 assessment of open water dissolved oxygen (summer months) indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTOH.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

| | | | | |
|---|---|---|---|---|
| VAN-A29R_ACC01A00 | Accokeek Creek | 4.21 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAN-A29R-01 / 00816

For the 2006 water quality assessment, sufficient excursions below the lower limit of the instantaneous pH criterion range (2 of 19 samples - 10.5%) were recorded at DEQ's ambient water quality monitoring station (1aACC006.13) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use goal. However, for the 2008 assessment, pH monitoring at station 1aACC006.13 (1 of 16 samples - 6.2%) demonstrate that the segment is fully supporting the aquatic life use.

| | | | | |
|---|---|---|---|---|
| VAN-A30E_UMC01B06 | Upper Machodoc Creek | 0.0659 Square Miles | Aquatic Life | Deep-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen (deep-water aquatic life subuse) - 01775

While the 2006 assessment of deep-water dissolved oxygen indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTMH.

| | | | | |
|---|---|---|---|---|
| VAN-A30E_UMC02A04 | Upper Machodoc Creek | 0.0294 Square Miles | Aquatic Life | Deep-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen (deep-water aquatic life subuse) - 01775

While the 2006 assessment of deep-water dissolved oxygen indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTMH.

| | | | | |
|---|---|---|---|---|
| VAN-A30E_UMC03A04 | Upper Machodoc Creek | 0.1057 Square Miles | Aquatic Life | Deep-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen (deep-water aquatic life subuse) - 01775

While the 2006 assessment of deep-water dissolved oxygen indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTMH.

| | | | | |
|---|---|---|---|---|
| VAN-A30E_UMC04A06 | Upper Machodoc Creek | 0.9027 Square Miles | Aquatic Life | Deep-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - dissolved oxygen (deep-water aquatic life subuse) - 01775

While the 2006 assessment of deep-water dissolved oxygen indicated an exceedance of the CFD, the 2008 assessment demonstrates that the goal has been met for POTMH.

| | | | | |
|---|---|---|---|---|
| VAN-A30E_UMC05A02 | Upper Machodoc Creek | 0.5003 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAN-A30E-03 / 00823

For the 2006 water quality assessment, sufficient excursions below the lower limit of the pH criterion range (2 of 17 samples - 11.8%) were recorded at DEQ's ambient water quality monitoring station (1aUMC004.43) at the Route 218 bridge to assess this stream segment as not supporting of the aquatic life use goal. However, for the 2008 Integrated Assessment, pH monitoring at station 1aUMC004.43 (1 of 14 samples - 7.1%) demonstrate that the segment is fully supporting the aquatic life use for the pH parameter.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Potomac and Shenandoah River Basins

VAN-A30R_UMC01A00 Upper Machodoc Creek 2.19 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAN-A30R-02 / 00828

Although the data obtained during the 2006 assessment window showed exceedances of the instantaneous pH criterion (1 of 5 samples - 20.0%) to be categorized as insufficient information, no data has been collected from the DEQ's ambient water quality monitoring station (1aUMC009.61) at Route 301 since the previous assessment window. The segment shall remained categorized as impaired. For the 2004 assessment, two of 12 samples (16.7%) were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. However, pH monitoring at station 1aUMC009.61 (0 of 3 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

VAP-A31E_GLD01A00 Goldman Creek 0.0536 Square Miles Shellfishing

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-A31E-03 / 10052

Goldman Creek was previously impaired for the Shellfish Consumption Use due to VDH-DSS Shellfish Condemnation 088B, 9/22/04. However, during the 2008 cycle, Goldman Creek was reopened on 7/16/2006, therefore the segment will be delisted.

VAP-A31R_MAO01A98 Mattox Creek 31.62 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-A31R-02 / 00907

The segment was assessed during the year 2002 cycle as not supporting of the Recreation use goal based on fecal coliform violations at 1AMAO007.46. The fecal coliform TMDL is due in 2014. The FC violation rate for the 2006 cycle was 4/19 and the segment remained impaired for FC. However, the new E. coli violation rate was acceptable (0/11), therefore additional monitoring for E. coli was recommended.

During the 2008 cycle, the E. coli violation rate was 0/21 at 1AMAO007.46, therefore the segment will be delisted.

VAP-A32E_LOW03A06 Lower Machodoc Creek 1.1791 Square Miles Deep-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A31E-02 / 01775

During the 2006 cycle, mesohaline portion of the Potomac River failed the deepwater summer 30-days seasonal refuge criteria in the appropriate areas. However, during the 2008 cycle, the segment met this criteria, therefore it will be delisted for the deepwater use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

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|---|---|---|---|---|---|
| VAP-A32E_NOM04A00 | Nomini Bay | 2.6083 | Square Miles | Deep-Water Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A31E-02 / 01775

During the 2006 cycle, the mesohaline portion of the Potomac River failed the deepwater summer 30-days seasonal refuge criteria in the appropriate areas. However, during the 2008 cycle, POTMH met this criteria, therefore the applicable segments will be delisted for the deepwater use.

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|---|---|---|---|---|---|
| VAP-A33E_YEO01A02 | Yeocomico River and Tributaries | 1.872 | Square Miles | Deep-Water Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A31E-02 / 01775

During the 2006 cycle, the segment failed the deepwater summer 30-days seasonal refuge criteria in the appropriate areas. However, during the 2008 cycle, POTMH met this criteria, therefore the applicable segments will be delisted for the deepwater use.

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|---|---|---|---|---|---|
| VAP-A34E_BBC01A08 | Bridgemans Back Creek | 0.0777 | Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|---|
| VAP-A34E_BRI01C98 | Bridge Creek | 0.1819 | Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

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|---|---|---|---|---|
| VAP-A34E_BRI02C98 | Bridge Creek | 0.0879 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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| VAP-A34E_COO01A98 | Cod Creek, Trib to Little Wicomico | 0.0792 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_ELL01A06 | Ellyson Creek | 0.0465 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

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|---|---|---|---|---|
| VAP-A34E_LIS01A02 | Little Wicomico River | 0.2588 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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| VAP-A34E_LIS01A06 | Little Wicomico River | 0.1862 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_LIS01A08 | Little Wicomico River, Back Creek | 0.1842 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

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|---|---|---|---|---|
| VAP-A34E_LIS01A98 | Little Wicomico River | 0.2062 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_LIS02A00 | Little Wicomico River | 0.2431 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_LIS03A98 | Little Wicomico River | 0.0165 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Potomac and Shenandoah River Basins

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|---|---|---|---|---|
| VAP-A34E_LIS04A00 | Little Wicomico River | 1.0432 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_LIS05A98 | Little Wicomico River: Slough Creek | 0.0371 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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|---|---|---|---|---|
| VAP-A34E_LIS06A06 | Little Wicomico River: Slough Creek | 0.0289 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Potomac and Shenandoah River Basins

VAP-A34E_SPN01A04 Spring Cove 0.0097 Square Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-A34E-24 / 00943

Spring Cove was assessed as not supporting the Recreation use due to a fecal coliform violation rate of 4/20 at 1ASPN000.08 during the 2004 cycle. During the 2006 cycle, the enterococci violation rate was acceptable (0/9), however there was no additional fecal coliform monitoring since 2001 and the violation rate was 1/8. As the fecal coliform standard was still in effect, the segment remained impaired in the 2006 cycle, although further monitoring was recommended to confirm the impairment.

During the 2008 cycle the enterococci violation fell to an acceptable rate (1/11), therefore the segment will be delisted.

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VAV-B01R_STT01A00 Straight Fork 7 Miles Aquatic Life

Delisting Summary:

DELIST - pH - VAV-B01R-01 / 01585

Straight Fork was listed as impaired for aquatic life due to violations of the pH WQS. Data in the 2008 cycle indicate 0 exceedances of the pH WQS in 13 samples at station 1ASTT006.12.

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VAV-B16L_01 Staunton Dam Lake 20.6 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 20.6 Acres - VAV-B16L-02 / 50007

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 28 samples for DO in this lake at monitoring station 1BNTH043.48.

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VAV-B16L_NTH01A04 Elkhorn Lake 50.7 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 50.7 Acres - VAV-B16L-01 / 50070

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 28 samples for DO in this lake at monitoring station 1BNTH045.36.

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VAV-B18R_BRY02A00 Briery Branch 6 Miles Aquatic Life

Delisting Summary:

DELIST - pH - VAV-B18R-02 / 01604

This assessment unit had 1 pH minimum standard violation out of 10 samples in the 2006 assessment window and the impairment was carried from the 2002 cycle. Additional data collected indicate that this station is now fully supporting and no longer violates the pH WQS > 10.5%. (1 violation of 13 samples at 1BBRY003.64) This segment will be de-listed for pH this cycle.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Potomac and Shenandoah River Basins

VAV-B20L_01 Switzer Lake 99.49 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 99.49 Acres - VAV-B20L-01 / 90002

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 62 samples for DO in this lake at monitoring station 1BSKD003.18.

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VAV-B29L_CNG01A04 Lake Shenandoah 36.13 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-B29L-01 / 01611

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 20 samples for DO in this lake at monitoring station 1BCNG003.13.

VAV-B32R_STH04A04 South River 2.01 Miles Recreation

Delisting Summary:

DELIST - E-coli - VAV-B32R-02 / 01617

Data in the 2008 data window indicated that the listing station of 1BSTH027.85 has returned to a fully supporting status for recreational use as data indicate 4 violations of 41 samples for e-coli which is below the 10.5% violation threshold for listing as impaired. This segment was added to VAV-B32R-02 in 2006 and will now be removed in 2008. This impaired segment was 29.59 miles in length in 2006. It will be reduced 4.96 miles in the 2008 assessment cycle due to de-listing. The impaired segment in 2008 will be 24.63 miles in length.

VAV-B32R_STH05A04 South River 2.95 Miles Recreation

Delisting Summary:

DELIST - E-coli - VAV-B32R-02 / 01617

Data in the 2008 data window indicated that the listing station of 1BSTH027.85 has returned to a fully supporting status for recreational use as data indicate 4 violations of 41 samples for e-coli which is below the 10.5% violation threshold for listing as impaired. This segment was added to VAV-B32R-02 in 2006 and will now be removed in 2008. This impaired segment was 29.59 miles in length in 2006. It will be reduced 4.96 miles in the 2008 assessment cycle due to de-listing. The impaired segment in 2008 will be 24.63 miles in length.

VAV-B48R_MIL01A00 Mill Creek 2.81 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Temperature - 7.61 Miles - VAV-B48R-01 / 01637

This assessment unit was moved from 5A-Impaired Needing a TMDL to 4C-Impaired-Not Needing a TMDL due to Natural Conditions in 2006. This was due to a letter from the Virginia Department of Game and Inland Fisheries that indicated that this stream was not a cold water fishery and should not be considered a Stockable Trout Stream. However, data within the 2008 monitoring window at station 1BMIL002.20 indicate the temperature violation rate has dropped below the 10.5% threshold at 3 violations in 39 samples and is eligible for de-listing.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Potomac and Shenandoah River Basins

VAV-B48R_MIL02A04 Mill Creek 4.8 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Temperature - 7.61 Miles - VAV-B48R-01 / 01637

This assessment unit was moved from 5A-Impaired Needing a TMDL to 4C-Impaired-Not Needing a TMDL due to Natural Conditions in 2006. This was due to a letter from the Virginia Department of Game and Inland Fisheries that indicated that this stream was not a cold water fishery and should not be considered a Stockable Trout Stream. However, data within the 2008 monitoring window at station 1BMIL002.20 indicate the temperature violation rate has dropped below the 10.5% threshold at 3 violations in 39 samples and is eligible for de-listing.

VAV-B56L_CRO01A04 Lake Frederick 67.14 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-B56L-01 / 01646

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are:

10 violations of 201 samples for DO in this lake at monitoring station 1BCRO009.19,
7 violations of 162 samples for DO in this lake at monitoring station 1BCRO009.79 and
0 violations of 131 samples for DO in this lake at monitoring station 1BXCE000.63

Pooled observations for the lake are: 17 violations of 494 samples for DO in Lake Frederick. (3.4% violation rate)

VAV-B56R_STV01A00 Stephens Run 0.95 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAV-B56R-02 / 01627

This assessment unit was listed as impaired for recreational use due to violations of the fecal coliform standard in 2004. E-coli data in the 2008 assessment window indicate that this assessment unit is now fully supporting with observed effects for the recreational use as the violation rate has dropped below 10.5%. This is based on 1 violation of 11 samples at 1BSTV000.20.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAC-H02L_POL01A02 Pedlar Lake 117.74 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-H02L-01/00761 - pH - VAC-H02L-01/00762
Delisting Candidate for DO and pH based on new guidance for assessing lake parameters. The data from both lake stations were pooled to assess both pH and Dissolved Oxygen. The violation rate for pH = 40/538 and the violation rate for Dissolved Oxygen = 2/201.

VAC-H03R_JMS06A02 James River 8.17 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 8.18 miles - VAC-H03R-01/00361
FS for E. coli - 2/21 violation rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment is still listed for PCBs in Fish Tissue

VAC-H04L_GRA01A02 Graham Creek Reservoir 39.5 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-H04L-01/00763
Lake can be delisted based on new DO assessment guidance
Station ID: 2-GRA000.40 1/22 Violation Rate for DO

VAC-H05R_JMS01A00 James River 6.16 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAC-H05R-01/00766
2-JMS229.14 - E. coli 2/28 violation rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs in Fish Tissue

VAC-H08R_JMS01A00 James River 10.05 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAC-H05R-01/00451
Station ID: 2-JMS229.14 - E. coli 2/28 violation rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs in fish tissue

VAC-H20R_JMS01A02 James River 1.92 Miles Recreation

Delisting Summary:

PARTIAL DELIST- Fecal Coliform - VAC-H20R-03/50090
Station ID: 2-JMS176.63 - 0/20 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs due to VDH fishing advisory

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAC-H20R_JMS02A02 James River 5.3 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAC-H20R-03/50090
Station ID: 2-JMS176.63 - 0/20 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs due to VDH fishing advisory

VAC-H20R_JMS03A02 James River 9.19 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAC-H20R-03/50090
Station ID: 2-JMS176.63 - 0/20 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs due to VDH fishing advisory

VAC-H21R_AUS01A00 Austin Creek 6.14 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-01/00734
Station ID: 2-AUS001.12 0/22 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Slate River Watershed Bacteria TMDL Completed 8/1/07

VAC-H21R_FRY01A00 Frisby Branch 1.35 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-02/00735
Station ID: 2-FRY000.35 1/13 violation rate for e coli
2-FRY003.00 0/12 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Delist Candidate
Slate River Watershed Bacteria TMDL Completed 8/1/07

VAC-H21R_FRY02A00 Frisby Branch 2.59 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-02/00735
Station ID: 2-FRY000.35 1/13 violation rate for e coli
2-FRY003.00 0/12 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Delist Candidate
Slate River Watershed Bacteria TMDL Completed 8/1/07

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAC-H21R_NTH01A00 North River 3.2 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-03/00736
Station ID: 2-NTH001.65 2/23 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Delist Candidate
Slate River Watershed Bacteria TMDL Completed 8/1/07

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VAC-H21R_SLT02A08 Slate River 13.31 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-04/00737
Station IDs:
E. coli - 2-SLT024.72 0/12 violation rate
2-SLT030.19 2/24 violation rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Slate River Watershed TMDL Completed 8/1/07

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VAC-H21R_TBM01A00 Troublesome Creek 0.89 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H21R-05/00738
Station ID: 2-TBM000.80 1/23 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Slate River Watershed TMDL Completed 8/1/07

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VAC-H22R_SLT02A02 Slate River 3.25 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAC-H22R-01/00364
2-SLT003.88 (Ambient)
E. coli - 3/31 Violation Rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

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VAC-H22R_SLT03A02 Slate River 3.88 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAC-H22R-01/00364
2-SLT003.88 (Ambient)
E. coli - 3/31 Violation Rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Segment remains listed for PCBs in fish tissue

---

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAC-H36L_BRC01A06 Bear Creek Lake 43.11 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAC-H36L-01/50073
Lake can be delisted based on assessment of entire water column. 3/45 samples violated pH standards.

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VAC-H36R_WLS01A00 Willis River 16.68 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 16.68 miles - VAC-H36R-01/00113
Station ID: 2-WLS004.27 2/21 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.
Approved TMDL for Willis River Completed 5/31/02

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VAC-J01L_HOL01A06 Holiday Lake 113.14 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-J01L-01/50015
Lake can be delisted based on new assessment guidance. Dissolved oxygen - 0/28 Violation rate in epilimnion when stratified and whole water column when not stratified.

---

VAC-J05L_BRI01L98 Briery Creek Lake 824.63 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-J05L-01/00743
Lake can be delisted based on new assessment guidance. Dissolved Oxygen - 0/26 violation rate. Epilimnion samples when stratified and whole lake samples when not stratified assessed.

---

VAP-G01L_FAC01A98 Falling Creek Reservoir 88.37 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-G01L-01 / 10125

During the 2006 cycle, monitoring showed acceptable DO in the epilimnion, but showed depressed DO in the hypolimnion during stratification. The TSIs were:

TSI(CA) = 53
TSI(TP) = 59
TSI(SD) = 63

Although the secchi depth TSI exceeded the limit of 60, the Chlorophyll A and phosphorus TSIs were acceptable (mesotrophic); these are considered more reliable since an elevated secchi depth TSI may be due to inorganic turbidity and not an indication of excessive nutrients. Since the PWS Use for Falling Creek has been removed from the WQS and the TSIs meet acceptable limits the lake should be delisted, although continued monitoring is recommended.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED for DO.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

VAP-G03R_PWL01A04 Powell Creek 7.39 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAP-G03R-05 / 01146

Powell Creek was initially assessed as impaired of the Recreation Use in 2004 based on fecal coliform violations at the Route 10 bridge (2-PWL005.73).

During the 2008 cycle, the bacteria WQS converted to E. coli and additional monitoring was conducted. The creek had acceptable E. coli violation rates: 1/12 at both station 2-PWL005.73, as well as at station 2-PWL010.38. The segment will be delisted.

---

VAP-G05R_CHK01A00 Chickahominy River 14.99 Miles Aquatic Life Recreation

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-G05R-04 / 01149

During the 2004 cycle, the segment was assessed as impaired of the Aquatic Life Use goal based on dissolved oxygen violations at 2-CHK076.59. During the 2008 cycle, the DO violation rates at all stations within the segment were acceptable (see below), therefore the segment will be delisted.

0/24 at2-CHK076.59
0/1 at 2-CHK078.69
0/4 at 2-CHK078.71
0/12 at 2-CHK079.23

DELIST - Fecal Coliform - VAP-G05R-04 / 01150

During the 2004 cycle, the segment was assessed as impaired of the Recreation Use because of fecal coliform violations at the Route 625 bridge (2-CHK076.59) and the Route 33 bridge (2-CHK079.23), respectively. However, during the 2008 cycle, the bacteria WQS converted to E. coli and the E. coli violation rate at 2-CHK076.59 was acceptable (2/21), therefore the segment will be delisted.

---

VAP-G07L_CHK01A00 Chickahominy Lake 1049.46 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-G07L-01 / 00449

In 2006 low DO in the bottom waters was observed at station 2-CHK025.15, which is closest to the dam. However, the summer temperature difference was <4C, therefore the lake is considered not stratified using the 2006 guidance. It is assessed as Cat. 5A.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED for DO.

---

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_CHK01A00 | Chickahominy River | 1.369 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted for the SAV impairment.

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_CHK02A00 | Chickahominy River | 5.916 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted for the SAV impairment.

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_DSC01A00 | Diascund Creek | 0.2716 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted for the SAV impairment.

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_GOR01A06 | Gordon Creek | 0.2962 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted.

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_MOC01A02 | Morris Creek | 0.3801 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_YRM01A04 | Yarmouth Creek | 0.1185 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted.

| | | | | | |
|---|---|---|---|---|---|
| VAP-G08E_ZZZ01A00 | Unsegmented estuaries in G08 | 1.2916 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAP-G08E-03 / 10097

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted; the oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria. However, during the 2008 cycle, the estuary met the SAV acreage and will be delisted.

| | | | | |
|---|---|---|---|---|
| VAP-G09L_DSC01A00 | Diascund Creek Reservoir | 1055.04 | Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-G09L-01

In 2006 considered impaired due to natural stratification. The low DO was during stratified periods except for 2 violations during NS periods at station 2-DSC007.09. TSIs were calculated for the summer months at stations 2-DSC005.91 and 2- DSC007.09. Both had secchi TSIs above 60. However since the secchi TSIs were >10% larger than the Chlorophyll and phos TSIs, it is attributed to inorganic matter and therefore ignored. The lake is assessed as Cat. 4C.

At station 2-DSC007.09 on 7/15/02, the temperature difference between top and bottom waters was less than the 4 C required to indicate stratification. However, the data at station 2-DSC005.91 taken the same day in deeper waters clearly shows that the lake is stratified between 3 and 4 meters. That depth is used for station 2-DSC007.09.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED.

| | | | | |
|---|---|---|---|---|
| VAP-H33R_JMS01A98 | James River | 22.89 | Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-H33R-01 / 01173

This segment was initially assessed as not supporting of the Recreation Use based on a fecal coliform violation rate of 4/35 at the Route 45 bridge (2-JMS157.28) during the 2004 cycle. Although the fecal coliform violation rate was acceptable during the 2006 cycle, (1/13) there was no bacteria monitoring since 2001, therefore the impairment was carried over. However, E. coli monitoring during the 2008 cycle at station 2-JMS157.28 was acceptable (1/13), therefore the segment will be delisted for bacteria.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAP-H38R_FIN01A98 Fine Creek 10.34 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform / E. coli - VAP-H38R-01 / 01178

Fine Creek was initially assessed as impaired of the Recreation Use during the year 2004 cycle due to fecal coliform violations at the Route 711 bridge (2-FIN000.81).

The E. coli impairment was added in the 2006 cycle, however the original fecal coliform TMDL due date was maintained.

During the 2008 cycle, the WQS converted to E. coli. The E. coli violation rate was acceptable (3/33) at 2-FIN000.81, therefore the segment will be delisted.

---

VAP-H38R_JMS02A04 James River 3.64 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-H38R-04 / 01173

The James River was initially assessed as not supporting of the Recreation Use during the 2004 cycle based on fecal coliform violations at the Route 522 bridge (2-JMS140.00.)

During the 2008 cycle, the WQS converted to E. coli. The E. coli violation rate at 2-JMS140.00 was acceptable (1/14), therefore the segment will be delisted.

---

VAP-H39R_JMS02A98 James River 3.05 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform (3.06 miles) - VAP-H39R-08 / 00455

The James River has been assessed not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts. The special study data used representative conditions before completion of CSO abatement projects.

The segment was extended upstream from the 1998 cycle during the 2002 assessment. The TMDL for the original portion (Boulevard Bridge to Fall Line) is due in 2010, but the TMDL for this upstream portion was not due until 2014. During the 2006 cycle, the area above Boulevard Bridge was assessed based on 2-JMS115.29. The station had an acceptable E. coli instantaneous violation rate of 0/16, however there was a violation of the monthly geometric mean in July 2003. Typically, one violation would result in an assessment of fully supporting with observed effects, however since the area was previously impaired, the segment was not delisted.

During the 2008 cycle, the E. coli geomean violation rate at 2-JMS115.29 fell to 0/9 and there were zero instantaneous violations in 42 samples, therefore the extended upstream portion from the Williams Island dam downstream to the Boulevard Bridge will be delisted and the impairment will return to its original size.

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VAP-H39R_JMS02B04 James River 4.36 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-H39R-12 / 01174

The James River was assessed not supporting of the Recreation Use support goal in the 2004 cycle because of a fecal coliform violation rate of 4/13 at station 2-JMS127.50, which is located at Watkins Landing at the end of Route 652. During the 2008 cycle, there was insufficient E. coli data collected at 2-JMS127.50 (0/1), however the E. coli violation rates upstream at 2-JMS157.28 (1/13) and 2-JMS140.00 (1/14) and downstream at 2-JMS117.35 (2/36) and 2-JMS115.29 (0/42), were all acceptable, therefore the segment is being delisted.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAP-J07L_XLW01A00 Amelia Lake 98.31 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-J07L-01

During the 2006 cycle, the DO violation rate at 2-XLW000.60 was 0/28 in the epilimnion and 22/31 in the hypolimnion (when stratified). The TSIs were all acceptable (TP = 47, Chl_a = 57, Secchi = 56), therefore the lake should be assessed as Cat. 4C (impaired by pollution.)

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED.

---

VAP-J11R_DPC02A00 Deep Creek 5.59 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-J11R-02 / 00041

Bacteria TMDL for Deep Creek was included in the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available. This segment was not specifically addressed in the TMDL report, however the TMDL required a 99% reduction of all anthropogenic sources of fecal coliform in the entire Deep Creek watershed.

For 2006, there were no fecal coliform violations (0/8), however monitoring was discontinued in 2001.

For 2008 the E. coli rate was acceptable with a rate of 0/10, therefore this segment will be delisted.

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VAP-J15E_APP01A98 Lower Appomattox River/Ashton Creek 0.942 Square Miles Recreation

Delisting Summary:

PARTIAL DELIST - E.coli 0.9421 sq miles - VAP-J15E-01 / 00043

The segment was assessed not supporting of the Recreation use support goal based on fecal coliform violations at 2-APP001.53 near the Route 10 bridge. The segment was initially listed in 1998, therefore the TMDL is due in 2010.

The bacteria TMDL for the Appomattox River was completed and approved by EPA on 8/30/2004. The segment should be assessed as Cat. 4A.

In 2006, the bacteria impairment switched from fecal coliform to E. coli.

For the 2008 cycle the lower portion of the Appomattox segment fails for the recreation use with a violation rate of 5/40 at station 2-APP001.53. The Appomattox upstream of mile 5 is fully supporting for E.coli with a violation rate of 1/10 at station 2-APP009.52 and should be assessed as category 2C.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAP-J16L_SFT01A98 | Swift Creek Reservoir | 41.68 Acres | Aquatic Life | |

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-J16L-01 / 01303

During the 2006 cycle the reservoir stratifies in the summer months and is therefore subject to low dissolved oxygen in the bottom layer (hypolimnion). The Trophic State Indices were acceptable, therefore the reservoir was considered impaired by natural stratification.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED.

| | | | | |
|---|---|---|---|---|
| VAP-J16L_SFT02A98 | Swift Creek Reservoir | 1539.62 Acres | Aquatic Life | |

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-J16L-01 / 01303

During the 2006 cycle the reservoir stratifies in the summer months and is therefore subject to low dissolved oxygen in the bottom layer (hypolimnion). The Trophic State Indices were acceptable, therefore the reservoir was considered impaired by natural stratification.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED.

| | | | | |
|---|---|---|---|---|
| VAP-J17R_SFT01C98 | Swift Creek | 3.99 Miles | Recreation | |

Delisting Summary:

DELIST - E. Coli - VAP-J17R-02 / 0046

for the 2008 cycle E. coli met the standards and was DELISTED on 12/20/2007.

| | | | | |
|---|---|---|---|---|
| VAT-G10R_POW01A00 | Powhatan Creek | 5.35 Miles | Recreation | |

Delisting Summary:

PARTIAL DELIST - FECAL COLIFORM- VAT-G10R-02
The Recreation Use is supporting at Station 2-POW006.77 with 1 viol / 12 obs for E.coli. Previous impairment based on exceedance of the criteria for Fecal Coliform (4 viol / 31 obs.) and E.coli (1 viol/ 9 obs).

| | | | | |
|---|---|---|---|---|
| VAT-G11E_BAL01A06 | Ballard Creek & Bay-James R. South Shore Tributary | 0.0403 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G11E_CKT01A04 | Chuckatuck & Brewers Creeks | 1.4465 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

| | | | | |
|---|---|---|---|---|
| VAT-G11E_CYP01A06 | Cypress Creek | 0.2604 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_DEP01A02 | Deep Creek - Lower | 0.1006 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G11E_JMS01A06 | James River - Gravel Neck to Pagan River | 48.3317 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

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|---|---|---|---|---|
| VAT-G11E_JMS01C08 | James River - Carter Grove Area | 0.4 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAT-G11E_JMS02A06 | James River- Blunt Point to Hilton Village | 17.0019 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

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|---|---|---|---|---|---|
| VAT-G11E_JMS03A06 | James River - Along Lower North Shore | 3.9827 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G11E_JMS03B06 | James River - Hilton Beach Area | 0.1098 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

PARTIAL DELIST - Enterococcus - VAT-G11E-30 / 76031

The Recreation Use is fully supported based on Enterococcus bacteria data from the VDH-Beach station VA747818 ( 1 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH.

The previous Recreation Use impairment is proposed for de-listing in the 2008 IR (utilizing the Proactive de-listing approach) based on Enterococcus bacteria data from the VDH-Beach station VA747818 ( 1 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH. In the 2006 IR this segment was assessed as the Recreation Use was impaired based on Enterococcus bacteria data from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA747818) and joint VDH-DEQ assessment review. Previous TMDL ID = VAT-G11E-30.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G11E_JMS03C06 | James River - Huntington Beach Area | 0.0079 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

PARTIAL DELIST - Enterococcus - VAT-G11E-31 / 76032

The Recreation Use is fully supported based on Enterococcus bacteria data from the VDH-Beach station VA747813 ( 0 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH.

The previous Recreation Use impairment is proposed for de-listing in the 2008 IR (utilizing the Proactive de-listing approach) based on Enterococcus bacteria data from the VDH-Beach station VA747813 ( 0 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH. In the 2006 IR this segment was assessed as the Recreation Use was impaired based on Enterococcus bacteria data from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA747813) and joint VDH-DEQ assessment review. Previous TMDL ID = VAT-G11E-31.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | | Uses Partially / Fully Restored | |
|---|---|---|---|---|---|

## James River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAT-G11E_JMS04A06 | James - Hilton Village to Craney Island | 25.1098 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01 / 76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

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|---|---|---|---|---|---|
| VAT-G11E_JMS05A06 | James R. - Newport News Point to NW Corner Craney Isl. | 3.4014 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106
PARTIAL DELIST - Estuarine Bioassessment - VAT-G11E-01/76088

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.
The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAT-G11E_JOG01A08 | Jones Creek - Tributary to Pagan River | 0.1368 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|---|
| VAT-G11E_JOG02A08 | Jones Creek - Tributary to Pagan River | 0.1927 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

PARTIAL DELIST - ENTEROCOCCUS - VAT-G11E-32

The Recreation Use is supported ( 2 violate / 25 obs.) for criteria for Enterococcus bacteria. Previous 2006 Assessment Impairment for Recreation with 2 viol/ 14 obs for Enterococci.

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|---|---|---|---|---|---|
| VAT-G11E_KIN01A06 | Kings Creek & Bay - James R. South Shore Tributary | 0.0554 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G11E_LAW01A00 | Lawnes Creek (Tributary to James River) | 0.2924 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.
The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.
CMON (Level II data) station 2LAW-LCD-ALL, pH supporting (0/4).

| | | | | |
|---|---|---|---|---|
| VAT-G11E_MRS01A06 | Morrisons Creek - Mulberry Island | 0.1418 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_PGN01A08 | Pagan River - Upstream of Chalmers Point | 0.3818 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G11E_PGN02A08 | Pagan River - Mouth Area | 1.7684 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

| | | | | |
|---|---|---|---|---|
| VAT-G11E_RIC01A06 | Ragged Island Creek | 0.2941 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

Site specific DO exceedance below instantaneous minimum SV (4.0 mg/l) recorded ( 3 excursions / 23 obs.) at Citizen's monitoring station @ 2RIC-RIC-ALL.

| | | | | |
|---|---|---|---|---|
| VAT-G11E_SFF01A08 | Skiffes Creek System | 0.022 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G11E_SFF02A08 | Skiffes Creek System | 0.566 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_TYB01A00 | Tylers Beach Boat Basin | 0.0032 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_WWK01A08 | Warwick River - Upper Tidal Portion | 0.2834 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

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|---|---|---|---|---|
| VAT-G11E_WWK02A08 | Warwick River - Middle Tidal Portion | 0.075 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_WWK03A08 | Warwick River - Lower Tidal Portion | 2.5061 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G11E_ZZZ01A00 | Unsegmented estuaries - James R. Tribs | 0.1783 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

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|---|---|---|---|---|
| VAT-G11E_ZZZ02A00 | Unsegmented estuaries - Warwick R. Tribs | 0.1509 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76106

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G13E_BEN01A04 | Bennett Creek - Tributary to Nansemond R. | 0.4665 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G13E_BHN01A00 | Bleakhorn Creek - Tributary to Nansemond R. Mouth | 0.0389 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G13E_BML01A06 | Burnetts Mill Creek - Tributary to Nansemond R. | 0.0283 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G13E_KNC01A00 | Knotts Creek - Tributary to Nansemond R. | 0.137 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G13E_NAN01A00 | Nansemond River - Upper | 0.2616 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.
The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-NAN019.14 under TMDL ID: VAT-G13E-03.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G13E_NAN02A06 | Nansemond River - Upper Middle | 0.2094 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.
The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-NAN019.14 under TMDL ID: VAT-G13E-03.

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|---|---|---|---|---|
| VAT-G13E_NAN03A06 | Nansemond River - Lower Middle | 4.989 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.
The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-NAN019.14 under TMDL ID: VAT-G13E-03.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G13E_NAN04A00 | Nansemond River - Lower | 4.6027 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Shellfishing | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.
The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-NAN019.14 under TMDL ID: VAT-G13E-03.

PARTIAL DELIST - Fecal Coliform - VAT-G13E-13 / 01295
The previous (2006 IR) Shellfishing Use impairment is proposed for de-listing in the 2008 IR cycle.
The Shellfishing Use is fully supported based on the DSS (OPEN) shellfish direct harvesting condemnation present within this segment as DSS shellfish condemnation # 063-008 (20060202). Previous Use Flag = VAT-G13E-13.

1999 CD segment for shellfish (Attachment A, Category 3) VAT-G13E-13.

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| VAT-G13E_SGL01A00 | Shingle Creek - Tributary to Nansemond R. | 0.0391 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.
The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-SGL001.00 under TMDL ID: VAT-G13E-07.
The Aquatic Life Use is impaired (TMDL ID = VAT-G13E-07) based on a site specific failure to meet the minimum pH criteria.(4.0 SU) at station (2-SGL001.00 ( 4/37).

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

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|---|---|---|---|---|
| VAT-G13E_STR01A04 | Star & Oyster House Creeks - Tributary to Nansemond R. | 0.0533 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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| VAT-G13E_WBN01A06 | Western Branch - Tributary to Nansemond R. | 0.1064 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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|---|---|---|---|---|
| VAT-G13E_ZZZ01A00 | Unsegmented Estuaries - Upper Nansemond R. | 0.1552 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G13E_ZZZ02A08 | Unsegmented Estuaries - Lower Nansemond R. | 0.0106 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76088

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired (2006 IR) based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

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| VAT-G15E_ELI03A08 | Elizabeth River Mainstem - Mouth | 3.4749 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessment - VAT-G15E-01-03 / 76301

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The Aquatic Life and Open-Water Aquatic Life Use for "Rest of Year, ROY" is assessed as insufficient information - previously listed under EPA's 1998 303(d) Overlisting as impaired. The mainstem Elizabeth River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G15E-01-03. Previous Use ID = VAT-G15E-01-03.
The Aquatic Life Use is also impaired based on failure to meet the DEQ Tributylin (TBT) salt water acute criteria as measured at the upstream station 2-ELI003.52. This segment was previously included (2006 IR) in TMDL ID: VAT-G15E-03-01.1999 CD segment for Tributylin (Attachment A, Category 1, Part 1) VAT-G15E. Previous Use ID = VAT-G15E-03-01.

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|---|---|---|---|---|
| VAT-G15E_HAI01A06 | Hampton River [Less Mill Point Creek Beach Area] | 0.5452 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSPH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer) is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G15E_HAI02A06 | Mill Point Creek - Beach Area, Hampton River | 0.0019 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSPH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

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| VAT-G15E_HOF01A06 | Hoffler Creek | 0.0574 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Shellfishing |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

PARTIAL DELIST - Fecal Coliform - VAT-G15E-06-10 / 76044

The previous Shellfish Use impairment (2006 IR) is proposed for de-listing in the 2008 IR. This has been changed to an open shellfish harvesting area from the 2006 IR. This assessment unit was identified in 2004 IR as impaired shellfish harvesting condemnation # 064-018 (effective 1997-05-01). VDH-DSS change to Open DSS (OPEN) shellfish harvesting condemnation # 057-069 F [effective 20030405] for the 2008 IR cycle.
Previously listed Use ID as VAT-G15E-06-10. Previous TMDL due date = 2018.

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|---|---|---|---|---|---|
| VAT-G15E_JMS01A00 | James River at Hampton Roads Harbor | 25.0111 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Uses are impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G15E_JMS01B06 | James River - King/Lincoln Park Beach Area | 0.006 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

PARTIAL DELIST - Enterococcus - VAT-G15E-06-01 / 76042

The Recreation Use is assessed as fully supported based on the Enterococcus bacteria data from the VDH-Beach station VA722627 ( 1 viol. / 9 Geo-mean obs.) meeting the criteria.

The previous Recreation Use impairment is proposed for de-listing in the 2008 IR (utilizing the Proactive de-listing approach) based on Enterococcus bacteria data from the VDH-Beach station VA722627 ( 1 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH. In the 2006 IR this segment was assessed as the Recreation Use was impaired based on Enterococcus bacteria data from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA722627) and joint VDH-DEQ assessment review. Previous Use ID = VAT-G15E-06-01.

| | | | | | | |
|---|---|---|---|---|---|---|
| VAT-G15E_JMS01C06 | James River - Anderson Park Beach Area | 0.0102 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation | Recreation | |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life Use is impaired based on failure to meet the revised Chesapeake Bay water criteria for Plankton, as measured using Chlorophyll-a concentrations. The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.
The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

PARTIAL DELIST - Enterococcus - VAT-G15E-06-02 / 76043

The Recreation Use is assessed as fully supported based on the Enterococcus bacteria data from the VDH-Beach station VA523358 ( 0 viol. / 9 Geo-mean obs.) meeting the criteria.

The previous Recreation Use impairment is proposed for de-listing in the 2008 IR (utilizing the Proactive de-listing approach) based on Enterococcus bacteria data from the VDH-Beach station VA523358 ( 0 viol. / 9 Geo-mean obs.) meeting the criteria and corrective actions which have been taken to eliminate pollutant inputs as noted by the VDH. In the 2006 IR this segment was assessed as the Recreation Use was impaired based on Enterococcus bacteria data from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA523358) and joint VDH-DEQ assessment review. Previous Use ID = VAT-G15E-06-02.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAT-G15E_LAF01A06 Lafayette River - Upper 1.5575 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessment - VAT-G15E-05-03 / 01524

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP mainstem segment LAFMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-05-03 & VAT-G15E-05-01.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer . The Aquatic Life and Open-Water Aquatic Life Use "Rest of Year " (ROY) is assessed as insufficient information as there is insufficient data to assess remaining shorter term dissolved oxygen criteria for this use.. Included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previous Use ID = VAT-G15E-05-03.

ALUS Observed Effects for exceedance of DEQ sediment screening values for Hg, & chlordane at station 2-LAF003.00.

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VAT-G15E_LAF02A06 Lafayette River - Lower 0.6056 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessment - VAT-G15E-05-03 / 01524

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP mainstem segment LAFMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-05-03.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer . The Aquatic Life and Open-Water Aquatic Life Use "Rest of Year " (ROY) is assessed as insufficient information as there is insufficient data to assess remaining shorter term dissolved oxygen criteria for this use.. Included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previous Use ID = VAT-G15E-05-03.
The Aquatic Life Use is also impaired based on failure to meet the DEQ Tributylin (TBT) salt water acute criteria. This segment was previously included (2006 IR) in TMDL ID: VAT-G15E-05-03. 1999 CD segment for Tributylin (Attachment A, Category 1, Part 1) VAT-G15E.

ALUS Observed Effects for exceedance of DEQ sediment screening values for Hg, & chlordane at station 2-LAF003.00.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|
| **James River Basin** | | | | |
| VAT-G15E_SRE01A06 | Streeter Creek | 0.0298 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation<br>Shellfishing |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSMH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

PARTIAL DELIST - Fecal Coliform - VAT-G15E-06-10 / 76044

The previous Shellfish Use impairment (2006 IR) is proposed for de-listing in the 2008 IR. This has been changed to an open shellfish harvesting area from the 2006 IR. This assessment unit was identified in 2004 IR as impaired shellfish harvesting condemnation # 064-018 (effective 1997-05-01). VDH-DSS change to Open DSS (OPEN) shellfish harvesting condemnation # 057-069 F [effective 20030405] for the 2008 IR cycle.
Previously listed Use ID as VAT-G15E-06-10. Previous TMDL due date = 2018.

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|---|---|---|---|---|
| VAT-G15E_WBE01A02 | Western Branch, Elizabeth R. - Upper | 0.5616 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessment - VAT-G15E-01-03 / 76301

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer & "Rest of Year, ROY". The Elizabeth River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G15E-01-03. Previous Use ID = VAT-G15E-01-03.

ALUS Observed Effects for exceedance of DEQ sediment screening values for Hg, Zn and Sum of DDT at station 2-WBE006.18.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

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|---|---|---|---|---|---|
| VAT-G15E_WBE02A00 | Western Branch, Elizabeth R. - Lower | 1.4595 | Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessment - VAT-G15E-01-03 / 76301

The previous Aquatic Life Use Estuarine Bioassessment impairment is proposed for de-listing with the 2008 IR based on BIBI results indicating the criteria is met for the 2008 cycle. Previously impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The CBP James mainstem segment JMSMH was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal due to the results of benthic BIBI probabilistic station surveys. The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03.

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer & "Rest of Year, ROY". The mainstem Elizabeth River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. 1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G15E-01-03. Previous Use ID = VAT-G15E-01-03.

ALUS Observed Effects for exceedance of DEQ sediment screening values for Hg & Zn at station 2-WBE002.11.

| | | | | | |
|---|---|---|---|---|---|
| VAT-G15E_WLY01A06 | Willoughby Bay [Less Beach Area] | 2.4768 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSPH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

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|---|---|---|---|---|---|
| VAT-G15E_WLY03A06 | Willoughby Bay - Beach Area | 0.1469 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSPH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## James River Basin

| | | | | |
|---|---|---|---|---|
| VAT-G15E_ZZZ01A00 | Unsegmented estuaries in Hampton Roads Harbor | 0.9565 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Plants [Macrophytes] - CB-JMSPH / 76085

The previous Aquatic Life Use Aquatic Plants [Macrophytes] impairment is proposed for de-listing with the 2008 IR based on results indicating the criteria for Water Clarity Acres is met for the 2008 cycle. Previously impaired based on failure to meet the Shallow-Water Submerged Aquatic Vegetation Use is based on failure to meet the SAV acreage criteria.

The Open-Water Aquatic Life Use (Rest of Year [ROY] and Summer is assessed as insufficient data owing to lack of assessment for the short-term dissolved oxygen criteria for Open Water.

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|---|---|---|---|
| VAV-H13L_XLU01A04 | Lake Nelson | 40.62 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-H13L-01 / 01651

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 21 samples for DO in this lake at monitoring station 2-XLU000.10.

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|---|---|---|---|
| VAV-H17L_TOT01A04 | Totier Creek Reservoir | 37.23 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-H17L-01 / 01652

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 16 samples for DO in this lake at monitoring station 2-TOT001.01.

| | | | |
|---|---|---|---|
| VAV-H23L_00 | Beaver Creek Reservoir | 95.54 Acres | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 95.54 Acres - VAV-H23L-02 / 50009

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 24 samples for DO in this lake at monitoring station 2-BVR002.19.

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|---|---|---|---|
| VAV-H23L_SIN01A04 | Lake Albemarle | 37.01 Acres | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 37.01 Acres - VAV-H23L-01 / 01660

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 21 samples for DO in this lake at monitoring station 2-SIN000.44.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAV-H24L_MNR01A04 Sugar Hollow Reservoir 47.46 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-H24L-01 / 01664

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 18 samples for DO in this lake at monitoring station 2-MNR014.50.

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VAV-H26L_01 S F Rivanna River Reservoir 398.69 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-H26L-01 / 50011

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are:

0 violations of 14 samples for DO in this lake at monitoring station 2-RRS003.59,
0 violations of 14 samples for DO in this lake at monitoring station 2-RRS005.62

Pooled observations for the lake are: 0 violations of 28 samples for DO in the South Fork Rivanna Reservoir.

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VAV-H28L_XLV01A04 Ragged Mountain Reservoir 70.74 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 70.74 Acres - VAV-H28L-01 / 01666

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 30 samples for DO in this lake at monitoring station 2-XLV002.27.

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VAV-H32L_00 Fluvanna Ruritan Lake 51.13 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - 51.13 Acres - VAV-H32L-01 / 50008

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 2 violations of 21 samples for DO in this lake at monitoring station 2-CFK004.34.

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VAV-I09L_WLN01A00 Douthat Lake 46.67 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-I09L-01N / 01688

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 1 violations of 31 samples for DO in this lake at monitoring station 2-WLN007.36.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAV-I14R_CWP01A00 Cowpasture River 9.95 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAV-I14R-02 / 01673

The Cowpasture River was listed as impaired for recreational use due to violations of the fecal coliform WQS. E-coli data in the 2008 cycle indicate 0 exceedances of the e-coli WQS in 9 samples at station 2-CWP045.86.

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VAV-I14R_CWP02A04 Cowpasture River 16.5 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAV-I14R-02 / 01673

The Cowpasture River was listed as impaired for recreational use due to violations of the fecal coliform WQS. E-coli data in the 2008 cycle indicate 0 exceedances of the e-coli WQS in 9 samples at station 2-CWP045.86.

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VAV-I38L_XMW01A04 Lake Robertson 24.38 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAV-I38L-01 / 01684

The naturally occurring dissolved oxygen impairment in the Hypolimnion during the summer months from the 2006 assessment cycle is de-listed this cycle based on the recently approved Lake Nutrient Criteria establishing assessment of DO only in the epilimnion. Based on this assessment methodology there are 0 violations of 24 samples for DO in this lake at monitoring station 2-XMW000.72.

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VAW-H01R_JMS04A00 James River Upper 9.19 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAW-H01R-03 / 50259

The 2006 IR reports the initial 303(d) Listing of these waters due to fecal coliform (FC) bacteria exceedences of the 400 cfu/100 ml instantaneous criterion. The 2006 IR reported six of 50 fecal coliform observations in excess of the WQS instantaneous criterion at station 2-JMS282.28 (Rt. 501 Bridge - S.E. of Glasgow, VA). Excursions range from 500 to greater than 8000 cfu/100 ml. No exceedences of the 235 cfu/100 ml WQS instantaneous criterion are found for Escherichia coli (E.coli) from nine samples in the 2006 IR. E.coli data were insufficient to assess these waters as fully supporting the Recreational Use in 2006.
The 2008 IR reports one exceedence (450) of the 235 cfu/100 ml instantaneous criterion for Escherichia coli (E.coli) from 21 samples from station 2-JMS282.28. E.coli bacteria are now the indicator as per [9 VAC 25-260-170. Bacteria; other waters]. In addition downstream station 2-JMS279.41 (Blue Ridge Parkway Bridge) records one of 30 E.coli samples in excess of the instantaneous criterion. The former 2006 9.22 mile bacteria impaired waters now fully support the Recreational Use and are Delisted with the 2008 IR. No other impairments are found in these waters.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAW-I03L_JKS01A02 | Lake Moomaw Lower (Jackson River) | 750.71 Acres | Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-I03L-01N & 01686

A portion of Lake Moomaw (NHD: 2389.39 total acres) Jackson River (01A02 - 750.72 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Lake Moomaw are: total phosphorus 0.010 mg/l and chlorophyll a 0.010 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from four stations across Lake Moomaw. DO exceedences found in the epilimnion are four measurements from 480 total observations; a 0.8% exceedence rate. Assessment of nutrient criteria for chlorophyll a at 0 / 2; a 0% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

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VAW-I03L_JKS02A02 | Lake Moomaw Middle (Jackson River) | 1328.12 Acres | Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-I03L-01N & 01686

A portion of Lake Moomaw (NHD: 2389.39 total acres) Jackson River (02A02 - 1,328.13 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Lake Moomaw are: total phosphorus 0.010 mg/l and chlorophyll a 0.010 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from four stations across Lake Moomaw. DO exceedences found in the epilimnion are four measurements from 480 total observations; a 0.8% exceedence rate. Assessment of nutrient criteria for chlorophyll a at 0 / 2; a 0% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

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VAW-I18R_JMS01A00 | James River Lower | 7.82 Miles | Aquatic Life

Delisting Summary:

DELIST - General Standard (Benthic) - VAW-I18R-01 & 00460

These 1998 303(d) Listed waters were based on the use of the EPA Rapid Bioassessment Protocol II method of assessment. The 2002 and 2004 assessments found moderate impairment. The 2006 assessment records slight impairment. Each of the foregoing is based on RBP II methods. The Virginia Stream Condition Index (VSCI) has received EPA approval for assessment and finds full support of the Aquatic Life Use as indicated below with application of the VSCI to prior as well as additional survey data. The 1998 originally 303(d) Listed waters are delisted with the 2008 IR for the General Standard (Benthic) impairment. This delisting has been submitted to EPA prior to final submittal.
2-JMS345.73 (I18R Rt. 220 Bridge - near Gage)- Five VSCI surveys with an average score of 68.6 span spring and fall seasons from 2001 to 2006. There are only slight seasonal differences between surveys. Compared to the historical upstream control site, there is a slight difference in the average Stream Condition Index VSCI scores 68.6 at 2-JMS345.73 versus the control 2-JKS030.65 at 78.0.
2-JMS326.30 (I24R James R. at Salisbury)- Two VSCI fall surveys in 2004 and 2006 with an average score of 75.9. The surveys found the benthic community at this station to be in good condition relative to the reference station. Compared to the upstream control site, there is only a slight difference in the average VSCI scores (75.9 at this station versus 78.0 at 2-JKS030.65). The biological condition at this site has been improving since 1996 with an average VSCI score of 69.6 from 1998 to present.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

VAW-I18R_JMS02A00 James River Upper 7.49 Miles Aquatic Life

Delisting Summary:

DELIST - General Standard (Benthic) - VAW-I18R-01 & 00460

These 1998 303(d) Listed waters were based on the use of the EPA Rapid Bioassessment Protocol II method of assessment. The 2002 and 2004 assessments found moderate impairment. The 2006 assessment records slight impairment. Each of the foregoing is based on RBP II methods. The Virginia Stream Condition Index (VSCI) has received EPA approval for assessment and finds full support of the Aquatic Life Use as indicated below with application of the VSCI to prior as well as additional survey data. The 1998 originally 303(d) Listed waters are delisted with the 2008 IR for the General Standard (Benthic) impairment. This delisting has been submitted to EPA prior to final submittal.
2-JMS345.73 (I18R Rt. 220 Bridge - near Gage)- Five VSCI surveys with an average score of 68.6 span spring and fall seasons from 2001 to 2006. There are only slight seasonal differences between surveys. Compared to the historical upstream control site, there is a slight difference in the average Stream Condition Index VSCI scores 68.6 at 2-JMS345.73 versus the control 2-JKS030.65 at 78.0.
2-JMS326.30 (I24R James R. at Salisbury)- Two VSCI fall surveys in 2004 and 2006 with an average score of 75.9. The surveys found the benthic community at this station to be in good condition relative to the reference station. Compared to the upstream control site, there is only a slight difference in the average VSCI scores (75.9 at this station versus 78.0 at 2-JKS030.65). The biological condition at this site has been improving since 1996 with an average VSCI score of 69.6 from 1998 to present.

VAW-I20R_MEO01A00 Meadow Creek Lower 2.53 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAW-I20R-01 & 01694

The 2004 IR reports two of 18 fecal coliform observations in excess of the 400 cfu/100 ml instantaneous criterion at 2-MEO000.38; 1300 cfu/100 ml and the second at 900 cfu/100 ml. Data from the 2006 IR were insufficient to delist these waters. The 2008 IR finds no exceedences of the Escherichia coli instantaneous criterion of 235 cfu/100 ml from 12 samples at station 2-MEO000.38 (Rt. 311 Bridge). Escherichia coli replaces fecal coliform bacteria as the indicator for Recreational Use Support as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. These 2.53 mile waters are 2008 partially delisted as a temperature impairment remains.

VAW-I24R_JMS01A00 James River Upper 4.98 Miles Aquatic Life

Delisting Summary:

DELIST - General Standard (Benthic) - VAW-I24R-01 & 00461

These 1998 303(d) Listed waters were based on the use of the EPA Rapid Bioassessment Protocol II method of assessment. The 2002 and 2004 assessments found moderate impairment. The 2006 assessment records slight impairment. Each of the foregoing is based on RBP II methods. The Virginia Stream Condition Index (VSCI) has received EPA approval for assessment and finds full support of the Aquatic Life Use as indicated below with application of the VSCI to prior as well as additional survey data. The 1998 originally 303(d) Listed waters are delisted with the 2008 IR for the General Standard (Benthic) impairment. This delisting has been submitted to EPA prior to final submittal.
2-JMS345.73 (I18R Rt. 220 Bridge - near Gage)- Five VSCI surveys with an average score of 68.6 span spring and fall seasons from 2001 to 2006. There are only slight seasonal differences between surveys. Compared to the historical upstream control site, there is a slight difference in the average Stream Condition Index VSCI scores 68.6 at 2-JMS345.73 versus the control 2-JKS030.65 at 78.0.
2-JMS326.30 (I24R James R. at Salisbury)- Two VSCI fall surveys in 2004 and 2006 with an average score of 75.9. The surveys found the benthic community at this station to be in good condition relative to the reference station. Compared to the upstream control site, there is only a slight difference in the average VSCI scores (75.9 at this station versus 78.0 at 2-JKS030.65). The biological condition at this site has been improving since 1996 with an average VSCI score of 69.6 from 1998 to present.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## James River Basin

| | | | |
|---|---|---|---|
| VAW-I27R_JMS01A00 | James River | 14.58 Miles | Aquatic Life |

Delisting Summary:

DELIST - pH - VAV-I27R-01 & 50066

2-JMS302.85 (Rt. 614 Bridge)- The 2006 IR reports two of 18 pH measurements exceeding the alkaline criterion at 9.1 and 9.09 SU. Meters used to measure pH are only accurate to tenths and therefore this impairment should not have been 303(d) Listed in 2006 with one of 18 measurements exceeding the criterion and Fully Supporting.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Rappahannock River Basin

VAN-E08R_MAH02A02 Marsh Run 5.87 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - VAN-E08R-01 / 00318

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 4 samples - 75.0%) were recorded at DEQ's ambient water quality monitoring station (3-MAH004.18) at the Route 668 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 3-MAH004.18 (1 of 10 samples - 10.0%) demonstrate that the segment is fully supporting the recreation use.

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VAN-E09R_MTN04A04 Mountain Run 4.56 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - VAN-E09R-02 / 00110

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-MTN022.49) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 3-MTN022.49 (0 of 6 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

VAN-E13R_MAS01A04 Marsh Run 5.21 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - VAN-E13R-03 / 00843

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (3-MAS001.55) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 3-MAS001.55 (1 of 11 samples - 9.1%) demonstrate that the segment is fully supporting the recreation use.

VAN-E16R_CED01A00 Cedar Run 2.19 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - VAN-E16R-01 / 00847

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (3-CED000.59) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 3-CED000.59 (0 of 11 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

VAN-E19R_LAR01A04 LaRogue Run 2.46 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - 60097

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (3-LAR000.48) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 3-LAR000.48 (0 of 6 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Rappahannock River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAN-E20E_RPP01A02 | Rappahannock River | 0.1881 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-E20E_RPP02A02 | Rappahannock River | 0.2313 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

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|---|---|---|---|---|---|
| VAN-E20E_RPP03A02 | Rappahannock River | 0.211 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-E20R_CLB01A00 | Claiborne Run | 4.21 | Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAN-E20R-01 / 00848

For the 2006 water quality assessment, sufficient excursions below the minimum pH criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-CLB000.50) at the Route 3 bridge to assess this stream segment as not supporting of the aquatic life use goal . However, for the 2008 Integrated Assessment, ambient monitoring at station 3-CLB000.50 (2 of 28 samples - 7.1%) demonstrate that the segment is fully supporting the aquatic life use.

| | | | | | |
|---|---|---|---|---|---|
| VAN-E21E_MIC01A06 | Mill Creek | 0.2025 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Rappahannock River Basin

| | | | | | |
|---|---|---|---|---|---|
| VAN-E21E_RPP01A02 | Rappahannock River | 4.5468 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-E21E_RPP03A02 | Rappahannock River | 1.3522 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | | |
|---|---|---|---|---|---|
| VAN-E21E_RPP04A02 | Rappahannock River | 1.1879 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

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|---|---|---|---|---|---|
| VAN-E21E_RPP05A02 | Rappahannock River | 0.5607 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

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|---|---|---|---|---|---|
| VAN-E21E_RPP20A02 | Ware Creek/Rappahannock River | 0.4244 | Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Rappahannock River Basin

| | | | | |
|---|---|---|---|---|
| VAN-E21R_MUY01A00 | Muddy Creek | 3.39 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAN-E21R-01 / 00851

For the 2006 water quality assessment, the data collected during the assessment window shows exceedances of the instantaneous pH criterion (1 of 4 samples - 25.0%) was categorized as not assessed. No data had been collected from the DEQ's ambient water quality monitoring station (3-MUY001.43) at Route 3 since the 2004 assessment window; thus, the segment remained impaired for the pH parameter. However, for the 2008 Integrated Assessment, pH monitoring at station 3-MUY001.43 (0 of 7 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

| | | | | |
|---|---|---|---|---|
| VAN-E22E_ZZZ01A08 | Unnamed Rappahannock River Embayments | 0.0726 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - aquatic plants (macrophytes) - 60127

While the 2006 assessment of submerged aquatic vegetation (SAV) acreage did not meet the goal area for the RPPTF segment, the 2008 assessment demonstrates that the goal has been met.

| | | | | |
|---|---|---|---|---|
| VAP-E22E_RPP01A02 | Rappahannock River | 5.1211 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAN-E20E-02 / 10069

The tidal freshwater Rappahannock River failed the Submerged Aquatic Vegetation acreage requirements for the Shallow Water Use during the 2006 cycle. However, during the 2008 cycle, RPPTF had acceptable SAV acreage and will be delisted for Aquatic Macrophytes.

| | | | | |
|---|---|---|---|---|
| VAP-E22E_ZZZ01A00 | Unsegmented estuaries in E22 | 0.2168 Square Miles | Aquatic Life | Shallow-Water Submerged Aquatic Vegetation |

Delisting Summary:

PARTIAL DELIST - Aquatic Macrophytes - VAN-E20E-02 / 10069

The tidal freshwater Rappahannock River failed the Submerged Aquatic Vegetation acreage requirements for the Shallow Water Use during the 2006 cycle. However, during the 2008 cycle, RPPTF had acceptable SAV acreage and will be delisted for Aquatic Macrophytes.

| | | | | |
|---|---|---|---|---|
| VAP-E23E_HOK01A98 | Hoskins Creek | 0.0997 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH (0.1010 sq. mi.) - VAP-E23E-03 / 10073

During the 2006 cycle, pH was added as an impairment because of violations at 3-HOK003.61, which is located at the Route 659 bridge. During the 2008 cycle, pH was removed as an impairing cause (partial delist) for the lower portion of Hoskins Creek because it was determined that the violations were upstream of this segment and all three stations within this segment had acceptable pH.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Rappahannock River Basin

VAP-E23R_CAT01A98 Cat Point Creek 4.97 Miles Recreation

Delisting Summary:

PARTIAL DELIST - E. coli - VAP-E23R-13 / 10104

During the 2006 cycle, the E. coli violation rate at 3-CAT011.62 was 2/13, therefore the segment was considered impaired of the Recreation Use. The station is located at the Route 637 bridge.

During the 2008 cycle, the violation rate fell to 3/32, therefore the segment will be delisted.

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VAP-E23R_MTL01A98 Mount Landing Creek 1.17 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-E23R-06 / 01048

The segment was initially assessed as not supporting of the Recreation Use during the year 2004 cycle based on a fecal coliform (FC) violation rate of 4/35 at the Route 716 bridge (3-MTL004.82). During the 2006 cycle, the violation rate for FC was 0/15 and for E. coli was 1/9. Although the FC violation rate was acceptable, there had been no additional FC monitoring since 2002 and the recent E. coli monitoring was not sufficient for delisting. Therefore the segment remained impaired based on the previous assessment until additional E. coli monitoring could be conducted.

During the 2008 cycle, the bacteria WQS converted to E. coli. The segment had an acceptable E. coli violation rate (1/10), therefore it will be delisted.

---

VAP-E25E_MUC01A04 Mud Creek 0.1923 Square Miles Shellfishing

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-E25E-06 / 10078

VDH Shellfish Condemnation 027-090A, 11/15/2004 was rescinded on 8/16/2006. The segment will be delisted for the Shellfish Consumption Use.

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VAP-E25E_URB01A00 Urbanna Creek 0.2149 Square Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-E25E-19 / 01785

The segment was assessed in 2004 as not supporting of the Recreation Use based on a fecal coliform violation rate of 3/20 at 3-URB001.50, located at the end of Route 418. There has been no additional monitoring at this station since 2001; therefore, although the violation rate was 0/8 during the 2006 assessment window, the segment remained listed until further data could be collected. During the 2008 cycle, enterococci monitoring was conducted 0.5 miles downstream at 3-URB001.00, which is located at the Route 602/227 bridge. The enterococci violation rate was acceptable (0/18), therefore the segment will be delisted for the Recreation Use.

Note: in 2006 cycle, Recreation Use comment field mistakenly called the segment a Partial Delist. The segment remained impaired and was not submitted for delisting in 2006.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

| | | | |
|---|---|---|---|
| VAC-L13L_ROA01A02 | Leesville Lake | 403.53 Acres | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - pH - VAW-L13L-01N/50500
Reservoir can be delisted for pH based on new assessment guidance for lakes. All pH data from all stations were pooled for a violation rate of 0/109. The reservoir remains listed for Dissolved Oxygen based on the pooled data.

| | | | |
|---|---|---|---|
| VAC-L28R_BOR01A00 | Big Otter River | 9.41 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L28R-01/00116
Station ID: 4ABOR000.62 2/21 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L28R_BOR02A00 | Big Otter River | 2.2 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L28R-01/00116
Station ID: 4ABOR000.62 2/21 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L28R_BOR03A00 | Big Otter River | 2.37 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L28R-01/00116
Station ID: 4ABOR000.62 2/21 violation rate for e coli
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L34L_PLP01A02 | Phelps Creek Reservoir | 19.49 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-L34L-05/00750
The reservoir can be delisted based on new assessment guidance for lakes. The Dissolved Oxygen violation rate = 1/23

| | | | |
|---|---|---|---|
| VAC-L38L_HTA01L00 | Conner Lake | 98.05 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-L38L-01/50020
The reservoir can be delisted based on new assessment guidance for lakes. The Dissolved Oxygen Violation Rate = 0/19

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

| | | | |
|---|---|---|---|
| VAC-L40R_SLA01A06 | Sandy Creek | 5.35 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L40R-04/50129
Delist candidate for e coli with 1/12 violation rate at 4ASLA001.52 and 0/12 violation rate at 4ASLA002.69.
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L58R_SRV01A00 | Sandy River | 7.21 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L58R-01/00379
Segment meets bacteria standard in 2008 cycle with E. coli sampling. Violation rate is 1/12 at 4ASRV000.20.
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L60R_DAN01A00 | Dan River | 1.83 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 1.83 miles- VAC-L60R-01/00380
Station ID: 4ADAN042.80 E. Coli - 1/14 Violation Rate
Segment remains listed for PCBs and Mercury due to VDH fishing advisory. Bacteria impairment still in place downstream of this segment.
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L65R_BAN03A00 | Banister River | 5.01 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L65R-01/00758
Segment can be delisted due to new E. coli data collected at 4ABAN070.20. Violation rate equals 1/12.
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L66L_CRR01A02 | Cherrystone Reservoir | 104.27 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-L66L-01/00759
The reservoir can be delisted based on new assessment guidance for lakes. The Dissolved Oxygen Violation rate = 2/24

| | | | |
|---|---|---|---|
| VAC-L66R_CRR01A00 | Cherrystone Creek | 2.61 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform 2.61miles - VAC-L66R-01/00381
Segment can be delisted based on e coli data collected. Violation Rate = 1/12
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

| | | | |
|---|---|---|---|
| VAC-L68L_GEO01A02 | Georges Creek Reservoir | 7.79 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-L68L-01/50022
The reservoir can be delisted based on new assessment guidance for lakes. The Dissolved Oxygen Violation Rate = 0/10.

| | | | |
|---|---|---|---|
| VAC-L68R_WRN02A06 | Whitehorn Creek | 14.19 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L68R-01/50143
Segment can be delisted based on E. coli data collected at station 4AWNR005.50 & 4AWRN011.05. Violations rates 0/12 & 1/12 respectively.
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L70R_SNA01A00 | Sandy Creek | 14.34 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAC-L70R-01/00384
Segment can be delisted based on E. coli data collected at the following stations:
4ASNA000.20 - 0/12 violation rate
4ASNA012.51 - 1/12 violation rate
4ASNA015.31 - 0/9 violation rate
4ASNA019.51 - 0/12 violation rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

| | | | |
|---|---|---|---|
| VAC-L79L_MES01L00 | Lake Gordon | 114.58 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-L79L-02/50024
The reservoir can be delisted based on new assessment guidance for lakes. The Dissolved Oxygen Violation Rate = 1/14

| | | | |
|---|---|---|---|
| VAC-L79R_FLT03A08 | Flat Creek | 1.56 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 1.56 miles- VAC-L79R-01/00025
4AFLT002.60 E. coli - 1/20 Violation Rate
Segment was originally listed for Total Fecal Coliform, but can now be delisted based on E. coli data collected to assess the recreation use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

| | | | |
|---|---|---|---|
| VAW-L01R_RSF03A00 | Roanoke River, South Fork Upper | 6.37 Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Temperature 6.38 miles - VAW-L01R-01 & 00710

The 2004 IR reported two of 12 temperature measurements in excess of the Class V 21°C criterion at station 4ARSF011.73 (Rt. 637 Bridge) in Montgomery County, VA. Excursions of the 21°C criterion occur on 7/22/99 (22.2°C) and 6/06/01 (22.0°C). Low stream flows and drought conditions occurred in 1999 and 2001. The 2004 Category 5C status is maintained through the 2006 Integrated Report (IR).
The 2008 IR finds one of 12 measurements in excess of the criterion- Full Support. Temperature data spanning 2004 thru the 2008 assessment cycles (1998 - 2006) show two excursions of the criterion as noted above from a total of 21 observations resulting in a 9.5% total exceedence rate and a 8.3% 2008 exceedence rate. The waters are therefore partially delisted for temperature. The downstream temperature impairment (6.27 miles) remains.

| | | | |
|---|---|---|---|
| VAW-L02R_CDN01A02 | Cedar Run | 3.2 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform - VAW-L02R-02 & 50264

4ACDN000.01 (Near Cedar Run mouth on Wilson Cr.) The 2006 initial 303(d) Listing is based on two of eight FC observations exceeding the 400 cfu/100 ml WQS instantaneous criterion. Each exceedence is at 490 cfu/100 ml. The 2008 IR finds zero of 12 Escherichia coli (E.coli) samples exceeding the 235 cfu/100 ml instantaneous criterion. The 3.20 mile waters are delisted as E.coli replaces fecal coliform bacteria as the indicator as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters].
4ACDN001.12 (Rt. 723 Bridge) Revealed no excursions of the former FC 400 cfu/100 ml instantaneous criterion from 13 observations and did not exceed the geometric mean of 200 cfu/100 ml from one calculation in either the 2006 or 2008 Integrated Reports. There are no E.coli data to assess from this station.

| | | | |
|---|---|---|---|
| VAW-L03R_ROA06A00 | Roanoke River Upper 2 | 2.23 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 2.22 miles - VAW-L03R-02 & 00700

Station 4AROA227.42 (Rt. 773 Bridge - at Lafayette) is a 1999 Consent Decree Attachment B station. The station was not listed in 2002 as the exceedence rate was less than 10.5% (3/59 observations w/WQS instantaneous criterion of 1000 cfu/100 ml). The 2004 initial 303(d) Listing is based on a WQS instantaneous criterion of 400 cfu/100 ml for fecal coliform bacteria where seven of 59 samples exceeded (exceedence rate of 11.8%). 2008 Escherichia coli (E.coli) data find one of 21 samples in excess of the 235 cfy/100 ml criterion producing an exceedence rate of 4.7%. The 2.22 mile waters are partially delisted as E.coli replaces fecal coliform bacteria as the indicator as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. The remaining Category 4A bacteria impaired waters are 29.75 miles. The Roanoke R. Bacteria TMDL Study is complete and US EPA approved 8/02/2006; SWCB approved 6/27/2007. FED ID 24538.

| | | | |
|---|---|---|---|
| VAW-L05L_CRV01A02 | Carvin Cove Reservoir | 631.53 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L05L-01N & 00716

Carvin Cove Reservoir (NHD: 631.54 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from station 4ACRV006.19. There are no dissolved oxygen exceedences in the epilimnion from 51 total observations. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L09R_MEE05A00 Maggodee Creek Upper 4.4 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform 4.40 miles - VAW-L09R-01 & 00125

These waters were originally 303(d) listed in 1996 where fecal coliform bacteria (FC) exceeded the former instantaneous criterion of 1000 cfu/100 ml in seven of 20 samples. The bacteria impairment has been carried through successive assessment cycles with no additional data. The 2006 IR reports no excursions of the Escherichia coli (E.coli) 235 cfu/100 ml instantaneous criterion from nine samples. These data were insufficient to partially delist these waters in 2006.
Since the 1996 303(d) Listing the Maggodee Creek Bacteria TMDL Study is complete with U.S. EPA approval on 4/27/2001 FED ID 1562 / 9475 and SWCB approved 6/17/2004. The Lower Blackwater River Bacteria Implementation Plan is complete with SWCB approval on 9/27/2006. The 2008 IR reports zero of 12 E.coli samples exceeding the instantaneous criterion at station 4AMEE021.13 (Rt. 613 Bridge Below Conflu./w Fork). These waters now meet the requirements of Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters] fully supporting the Recreational Use. Category 4A miles remaining impaired are 16.73.

VAW-L12L_BDA01A02 Beaverdam Creek SML 151.7 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-06N & 00717

Smith Mountain Lake (NHD: 19790.06 acres) and the Beaverdam Creek portion (151.70 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_BSA01A02 Bull Run SML 1171.73 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-05N & 00719

Smith Mountain Lake (NHD: 19,790.06 acres) and the Bull Run portion (1,171.74 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L12L_BWR01A02 Blackwater River SML Lower 2460.63 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-05N & 00719

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Blackwater River (2,460.64 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_BWR02A02 Blackwater River SML Middle 1849.56 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-05N & 00719

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Blackwater River (1849.57 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_BWR03A02 Blackwater River SML Upper 525.03 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-05N & 00719

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Blackwater River (525.04 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L12L_CCK01A02 Craddock Creek SML 1547.11 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-01N & 00720

Smith Mountain Lake (NHD: 19,790.06 acres) and the Craddock Creek portion (1,547.12 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_COA01A02 Cool Branch SML 362.12 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-05N & 00719

Smith Mountain Lake (NHD: 19,790.06 acres) and the Cool Branch portion (362.12 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_FIN01A02 Falling Creek SML 18.35 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-04 & 50004

Smith Mountain Lake (NHD: 19,790.06 acres) and the Falling Creek portion (18.36 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L12L_GIL01A02 Gills Creek SML Lower 527.21 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-10N & 00722

Smith Mountain Lake (NHD: 19,790.06 acres) and the Gills Creek portion (527.22 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_GIL02A02 Gills Creek SML Upper 197.42 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-10N & 00722

Smith Mountain Lake (NHD: 19,790.06 acres) and the Gills Creek portion (197.42 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_IND01A06 Indian Creek SML 82.31 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-03 & 01804

Smith Mountain Lake (NHD: 19,790.06 acres) and the Indian Creek portion (82.32 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L12L_ROA01A02 | Roanoke River SML Lower | 2699 Acres | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-01N & 00723

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Roanoke River (2,699.02 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_ROA02A02 | Roanoke River SML Middle 1 | 5214.42 Acres | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-02N & 50313

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Roanoke River (5,214.45 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L12L_ROA03A02 | Roanoke River SML Middle 2 | 2633.27 Acres | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-03 & 01804
PARTIAL DELIST - pH - VAW-L12L-03 & 01329

A portion of Smith Mountain Lake (2633.28 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) pH (alkaline 9.0) Standard Units (SU). The pH impairment is categorized 5C as alkaline exceedences occurred in the epilimnion in six of 23 measurements at station 4AROA175.63 (Hales Ford Bridge); seven of 23 at 4AROA180.21 (Confluence with Indian Creek); and six of 23 measurements at 4AROA183.64 (Confluence with Beaverdam Creek). WQS pH criterion apply throughout the water column.
The 2008 assessment finds this portion of the reservoir fully supports the Aquatic Life Use from the following pooled pH data from sixteen stations across Smith Mountain Lake. pH measurements find 16 excursions from 1,525 total measurements; a 1.0% exceedence rate. 2008 Cycle exceedences at the three 2002 303(d) Listing stations are: 4AROA175.63 one of 113 (0.8% exceedence); 4AROA180.21 four of 112 (3.5% exceedence); and 4AROA183.64 four of 113 measurements (3.5 % exceedence). Assessment of nutrient criteria for total phosphorus finds 0 / 2; a 0% exceedence rate and chlorophyll a at 0 / 2 and a 0% exceedence rate; each are fully supporting. The waters are delisted for pH based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

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| VAW-L12L_ROA04A02 | Roanoke River SML Upper | 350.06 Acres | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAW-L12L-04 & 50314

Smith Mountain Lake (NHD: 19,790.06 acres) and a portion of the Roanoke River (350.06 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The nutrient criteria for Smith Mountain Lake are: total phosphorus 0.030 mg/l and chlorophyll a 0.025 mg/l section B. of 9 VAC 25-260-187. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from 16 stations across Smith Mountain Lake. DO exceedences found in the epilimnion are 238 measurements from 4,651 total observations; a 5.1% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

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| VAW-L42L_DAN02A02 | Townes Reservoir | 27.6 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L42L-01N & 50005

Townes Reservoir (NHD: 27.60 acres) is originally 2006 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from station 4ADAN187.94. One dissolved oxygen exceedence in the epilimnion from 14 total observations. An exceedence rate of 7 percent. The waters are delisted for dissolved oxygen based on these results.

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| VAW-L50R_SRE01A00 | Smith River Lower | 5.61 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAW-L50R-01 & 01714.

The 2004 IR reported fecal coliform bacteria exceedences occur in four of 28 observations at station 4ASRE075.69 (Rt. 708 Bridge) ranging from 600 to 900 cfu/100 ml. 2006 IR reports four of 33 exceedences with the same range of exceedence. The 2008 IR finds three of 42 fecal coliform exceedences again ranging from 600 to 900 cfu/100 ml. Fecal coliform exceedences in 2008 find three of 42 excursions (7% excursions) of the 400 cfu/100 ml instantaneous criterion. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator with the 2008 IR as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. E.coli observations in 2008 find one of 21 samples in excess of the 235 cfu/100 ml instantaneous criterion. The single excursion is 520 cfu/100 ml. The rate of exceedence is 4.7%. The 9.20 mile waters are partially delisted for the Recreational Use impairment based on E.coli results. A temperature impairment remains.

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| VAW-L50R_SRE02A00 | Smith River Middle 1 | 0.25 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAW-L50R-01 & 01714.

The 2004 IR reported fecal coliform bacteria exceedences occur in four of 28 observations at station 4ASRE075.69 (Rt. 708 Bridge) ranging from 600 to 900 cfu/100 ml. 2006 IR reports four of 33 exceedences with the same range of exceedence. The 2008 IR finds three of 42 fecal coliform exceedences again ranging from 600 to 900 cfu/100 ml. Fecal coliform exceedences in 2008 find three of 42 excursions (7% excursions) of the 400 cfu/100 ml instantaneous criterion. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator with the 2008 IR as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. E.coli observations in 2008 find one of 21 samples in excess of the 235 cfu/100 ml instantaneous criterion. The single excursion is 520 cfu/100 ml. The rate of exceedence is 4.7%. The 9.20 mile waters are partially delisted for the Recreational Use impairment based on E.coli results. A temperature impairment remains.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L50R_SRE03A00 Smith River Middle 2 0.59 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAW-L50R-01 & 01714.

The 2004 IR reported fecal coliform bacteria exceedences occur in four of 28 observations at station 4ASRE075.69 (Rt. 708 Bridge) ranging from 600 to 900 cfu/100 ml. 2006 IR reports four of 33 exceedences with the same range of exceedence. The 2008 IR finds three of 42 fecal coliform exceedences again ranging from 600 to 900 cfu/100 ml. Fecal coliform exceedences in 2008 find three of 42 excursions (7% excursions) of the 400 cfu/100 ml instantaneous criterion. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator with the 2008 IR as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. E.coli observations in 2008 find one of 21 samples in excess of the 235 cfu/100 ml instantaneous criterion. The single excursion is 520 cfu/100 ml. The rate of exceedence is 4.7%. The former bacteria impaired 9.20 mile waters are partially delisted for the Recreational Use impairment based on E.coli results. A temperature impairment remains.

VAW-L50R_SRE04A00 Smith River Upper 1 2.73 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAW-L50R-01 & 01714.

The 2004 IR reported fecal coliform bacteria exceedences occur in four of 28 observations at station 4ASRE075.69 (Rt. 708 Bridge) ranging from 600 to 900 cfu/100 ml. 2006 IR reports four of 33 exceedences with the same range of exceedence. The 2008 IR finds three of 42 fecal coliform exceedences again ranging from 600 to 900 cfu/100 ml. Fecal coliform exceedences in 2008 find three of 42 excursions (7% excursions) of the 400 cfu/100 ml instantaneous criterion. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator with the 2008 IR as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. E.coli observations in 2008 find one of 21 samples in excess of the 235 cfu/100 ml instantaneous criterion. The single excursion is 520 cfu/100 ml. The rate of exceedence is 4.7%. The former bacteria impaired 9.20 mile waters are partially delisted for the Recreational Use based on E.coli results. A temperature impairment remains.

VAW-L51L_GOB02A06 Fairystone Lake (Goblin Town Creek) 126.96 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L51L-01N & 50028

Fairystone Lake (NHD: 126.96 acres) is originally 2006 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from station 4ADAN187.94. There are no dissolved oxygen exceedences in the epilimnion from 10 total observations. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

VAW-L51L_SRE01A02 — Philpott Reservoir Lower (Smith River) — 1221.35 Acres — Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L51L-01N & 01715

Philpott Reservoir (NHD: 2,813.46 acres) and a portion of the Smith River (1221.36 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from four stations across Philpott Reservoir. DO exceedences found in the epilimnion are 11 from 584 total observations; a 0% exceedence rate. Assessment of nutrient criteria for chlorophyll a at 0 / 2 and a 0% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L51L_SRE02A02 — Philpott Reservoir Middle (Smith River) — 671.08 Acres — Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L51L-01N & 01715

Philpott Reservoir (NHD: 2,813.46 acres) and a portion of the Smith River (1221.36 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from four stations across Philpott Reservoir. DO exceedences found in the epilimnion are 11 from 584 total observations; a 0% exceedence rate. Assessment of nutrient criteria for chlorophyll a at 0 / 2 and a 0% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

VAW-L51L_SRE03A02 — Philpott Reservoir Upper (Smith River) — 388.61 Acres — Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L51L-01N & 01715

Philpott Reservoir (NHD: 2,813.46 acres) and a portion of the Smith River (1221.36 acres) are originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification.
The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data from four stations across Philpott Reservoir. DO exceedences found in the epilimnion are 11 from 584 total observations; a 0% exceedence rate. Assessment of nutrient criteria for chlorophyll a at 0 / 2 and a 0% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Roanoke and Yadkin River Basins

| | | | |
|---|---|---|---|
| VAW-L53L_BAU01A02 | Martinsville (Beaver Creek) Reservoir | 181.34 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-L53L-03 & 50006
DELIST - pH - VAW-L12L-03 & 50050

Martinsville (Beaver Creek) Reservoir (NHD: 117.70 acres) is originally 2006 303(d) Listed for excursions of the Class IV dissolved oxygen Water Quality Standard (WQS) of 4.0 mg/l and pH (6.0 - 9.0 SU). The dissolved oxygen impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. The pH impairment is categorized as 5C as surface values were greater than 9.0 (alkaline) in two of four measurements. WQS pH criterion apply throughout the water column. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification.
The 2008 assessment finds, as a whole, the reservoir Fully Supports the Aquatic Life Use from the following pooled data from station 4ABAU005.34 (above Dam). A single dissolved oxygen exceedence from 17 total observations; a 5.8% exceedence rate. And pH measurements are 2 excursions from 25 measurements; a 8.0% exceedence rate. The waters are delisted for dissolved oxygen and pH based on these results. Exceedence rates are less than 10.5%.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chowan River and Dismal Swamp Basins

VAC-K14L_MDT01L00 Modest Creek Reservoir 20.21 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAC-K14L-01/00744
Lake can be delisted using new assessment guidance. Epilimnion samples when stratified and whole water column when not stratified assessed. Dissolved Oxygen - 0/12 violation rate

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VAC-K17R_NTW01A08 Nottoway River 1.64 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAP-K17R-03/01334
During the 2006 cycle, the segment was assessed not supporting of the Recreation Use based on a fecal coliform violation rate of 5/34 at the Route 1 bridge (5ANTW109.02.) However, during the 2008 cycle, the WQS converted to E. coli and the violation rate was acceptable (2/21), therefore the segment will be delisted.

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VAP-K06L_GTC03B00 Great Creek Reservoir 218.78 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAP-K06L-01

In 2006 Great Creek Reservoir was sampled during 2002. Dissolved oxygen violations occurred in bottom waters during stratification. The Trophic State Indices were less than 60, therefore the reservoir is considered impaired due to stratification and does not require a TMDL.

During the 2008 cycle the lake criteria was developed and the lake is fully supporting and will be DELISTED.

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VAP-K08L_RDC01A98 Brunswick Lake (County Pond) 138.38 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-K08L-02 / 10007

In 2006 Brunswick Lake was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in bottom waters. The low DO only occurred during periods of stratification, however the TSIs for the lake were above 60:

TSI(TP) = 64
TSI(CA) = 69
TSI(SD) = 66

Therefore the low dissolved oxygen was considered to be exacerbated by excessive nutrients and a TMDL was required. In addition, both total phosphorus and chlorophyll a were considered observed effects b/c of screening level exceedances. The lake should be reevaluated once nutrient criteria are established.

For the 2008 cycle nutrient criteria was developed for lakes and DO was no longer impaired. Only pH was impaired at 5ARDC007.30 with a violation rate of 5/36.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Chowan River and Dismal Swamp Basins

| | | | | |
|---|---|---|---|---|
| VAP-K09R_MHN01D98 | Meherrin River | 26.46 Miles | Fish Consumption | |

Delisting Summary:

PARTIAL DELIST - Benzo(k)fluoranthene - VAP-K09R-01 / 01316

Beginning in the year 2002 cycle, the segment was assessed partially supporting of the fish consumption use based on 1996 fish tissue screening value exceedances for benzo(k)fluoranthene in two species. The benzo(k)fluoranthene TMDL was due in 2014. In the year 2002, additional sampling at station 5AMHN051.43 showed no exceedances of the screening value for benzo(k)fluoranthene, therefore the segment should be delisted for this parameter.

| | | | | |
|---|---|---|---|---|
| VAP-K10R_FON01A04 | Fontaine Creek | 5.03 Miles | Recreation | |

Delisting Summary:

DELIST - Fecal Coliform - VAP-K10R-02 / 01317

The segment was assessed as not supporting of the Recreation use support goal during the year 2006 cycle based on a fecal coliform violation rate of 2/13 at the Route 603 bridge (5AFON037.89). During the 2008 cycle, the WQS converted to E. coli and the violation rate at that station was acceptable (1/11), therefore the segment should be delisted.

| | | | | |
|---|---|---|---|---|
| VAP-K10R_RSK01A00 | Rattlesnake Creek | 8.93 Miles | Aquatic Life | Recreation |

Delisting Summary:

DELIST - pH - VAP-K10R-01 / 00661

The segment was assessed in 2004 as not supporting of the Aquatic Life Uses based on sampling at the Route 672 bridge (5ARSK003.08) (pH 4/20). Monitoring ceased in 2001, therefore the 2004 assessment was carried over. During the 2008 cycle, additional monitoring was conducted at stations 5ARSK003.08 and 5ARSK003.66. The pH violation rate was acceptable at both stations (0/12 and 0/2, respectively), therefore the segment will be delisted.

DELIST - Fecal Coliform - VAP-K10R-01 / 01318

The segment was assessed in 2004 as not supporting of the Recreation Use based on sampling at the Route 672 bridge (5ARSK003.08) (fecal coliform 3/20). Monitoring ceased in 2001, therefore the 2004 assessment was carried over. During the 2008 cycle, additional monitoring was conducted at stations 5ARSK003.08 and 5ARSK003.66. The E.coli violation rate was acceptable at both stations (1/10 and 0/1, respectively), therefore the segment will be delisted.

| | | | | |
|---|---|---|---|---|
| VAP-K11R_FON03A98 | Fontaine Creek | 9.12 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAP-K11R-04 / 01325

In the 2004 cycle, the segment was assessed as not supporting the Aquatic Life use support goal based on a pH violation rate of 2/14 at 5AFON022.04, located at the Route 629 bridge. Because there had been no additional monitoring since 2000, the previous assessment was carried over to 2006. In 2006, the segment was extended to the Route 301 bridge to better coincide with the Class VII designation.

During the 2008 cycle, additional monitoring was conducted at the upstream side of the Route 301 bridge (5AFON014.38). The station had an acceptable pH violation rate (0/10), so the segment will be delisted for pH.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chowan River and Dismal Swamp Basins

VAP-K17R_NTW01A00 Nottoway River 10.05 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAP-K17R-03 / 01334

During the 2006 cycle, the segment was assessed not supporting of the Recreation Use based on a fecal coliform violation rate of 5/34 at the Route 1 bridge (5ANTW109.02.) However, during the 2008 cycle, the WQS converted to E. coli and the violation rate was acceptable (2/21), therefore the segment will be delisted.

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VAP-K18R_STG01A98 Sturgeon Creek 8.07 Miles Aquatic Life

Delisting Summary:

DELIST - pH - VAP-K18R-01 / 01338

During the year 2004 cycle, the segment had a pH violation rate of 2/19 at 5ASTG005.96 and was assessed not supporting of the Aquatic Life use goal. No new data has been collected since 2001, therefore the 2004 assessment was carried over into 2006. The TMDL was due in 2016.

However, in the 2008 cycle, additional monitoring was conducted at station 5ASTG002.18. The pH violation rate was acceptable (0/10), therefore the segment will be delisted.

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VAP-K19R_HRS01A02 Harris Swamp 2.34 Miles Aquatic Life

Delisting Summary:

DELIST - pH - VAP-K19R-01 / 10120

The segment was initially listed in 2006 because of a pH violation rate of 3/21 at 5AHRS002.04.

During the 2008 cycle, a Natural Conditions Assessment was performed. Harris Swamp and its tributaries from its confluence with the Nottoway River to river mile 8.72 were recommended for reclassification as Class VII swampwaters. Until the WQS can be revised the station was assessed against the current Class III pH criteria and had an acceptable violation rate (3/31), therefore the segment will be delisted.

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VAP-K23R_PCT01A08 Picture Branch 4.93 Miles Aquatic Life

Delisting Summary:

DELIST - pH and Dissolved Oxygen - VAP-K23R-01 / 00477 and 00478

The entire Rowanty Creek watershed has previously been assessed not supporting of the Aquatic Life use support goal based on DO and pH violations at 5AHRA010.94, 5AROW013.14, and 5AROW002.41 and DO, pH violations in 1994 at 5APCT001.23, 5AGRV006.00. 5AGRV004.35, 5AHRA010.94, 5AHRA003.42, 5AHRA002.92, 5AATH003.28, 5ALCC000.54, 5AROW008.64, and 5AROW004.72.

During the 2006 cycle, the lower portion of the Rowanty Creek watershed below Gravelly Run was reclassified as Class VII swampwaters. That segment was now in conformance with the pH and DO standards and was delisted. However, the upper Class III portion still had pH and DO violations at 5AATH003.28 and 5AHRA010.94 and remained impaired.

During the 2008 cycle, a Natural Conditions Assessment was performed, and Picture Branch had acceptable DO and pH violation rates (0/8). The study recommended that Picture Branch remain Class III and the segment will be delisted.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chowan River and Dismal Swamp Basins

VAP-K23R_ROW02A00 Rowanty Creek 1.1 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAP-K23R-02 / 01351

This segment of Rowanty Creek was considered not supporting the Recreation Use based on a fecal coliform violation rate of 6/20 at the Route 605 bridge (5AROW013.14) during the 2004 cycle.

During the 2008 cycle, the E. coli violation rate at station 5AROW013.14 was acceptable (0/10), therefore the segment was delisted.

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VAP-K24R_NTW03B00 Nottoway River 13.89 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-K24R-02 / 01355

The Nottoway River was previously assessed not supporting of the Recreation Use goal based on a fecal coliform violation rate of 2/15 at the Route 631 bridge (5ANTW045.45).

During the 2006 cycle, this segment was mistakenly classified as Category 4A because it was included within the study area for the Chowan Basin TMDL for E. coli, which was approved by EPA on 10/14/2005. However, because the segment was not specifically addressed, a separate TMDL would have been required. However, during the 2008 cycle the segment was delisted based on an E. coli violation rate of 0/12.

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VAP-K24R_NTW04B00 Nottoway River 4.59 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-K24R-02 / 01355

The Nottoway River was previously assessed not supporting of the Recreation Use goal based on a fecal coliform violation rate of 2/15 at the Route 631 bridge (5ANTW045.45).

During the 2006 cycle, this segment was mistakenly classified as Category 4A because it was included within the study area for the Chowan Basin TMDL for E. coli, which was approved by EPA on 10/14/2005. However, because the segment was not specifically addressed, a separate TMDL would have been required. However, during the 2008 cycle the segment was delisted based on an E. coli violation rate of 0/12.

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VAP-K32R_CPH01A98 Coppahaunk Swamp 12.51 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform and E. coli (12.51 Miles) - VAP-K32R-05 / 01372

Coppahaunk Swamp was initially assessed in 2002 as not supporting of the Recreation Use based on numerous fecal coliform violations. During the 2006 cycle, station 5AXDT000.50 had an E. coli violation rate of 2/2. E. coli was added as an impairing cause, and the initial bacteria TMDL due date of 2014 was maintained.

During the 2008 cycle, additional E. coli monitoring at station 5ACPH006.00 showed an acceptable violation rate (1/11), therefore the mainstem Coppahaunk Swamp was delisted for bacteria. (This is a partial delist because the unnamed tributary to Coppahaunk Swamp, XDT, remains impaired.)

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Chowan River and Dismal Swamp Basins

| | | | | |
|---|---|---|---|---|
| VAT-K13R_FTS01A04 | Flat Swamp | 8.14 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAT-K13R-02

As DO criteria are not yet established we are not able to determine use support for this 2008 cycle.

Data collected for pH (4.3-9) is supporting. Station 5AFTS002.93 ph data 0 viol / 10 obs based on swamp water revised pH criteria range. Previous 2006 pH impairment result was 7 viol / 11 obs (previous criteria 6.0 -9.0 SU).

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| | | | | |
|---|---|---|---|---|
| VAT-K27R_APW01A04 | Applewhite Swamp | 7.77 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VATK27R-03

Data collected for pH (4.3-9.0 SU) is supporting at Station 5AAPW001.04.
Station 5AAPW001.04 ph data 0 viol / 2 obs based on swamp water revised pH criteria range. Previous 2006 pH impairment was a result of 2 viol / 2 obs (previous criteria 6.0 -9.0 SU).

The Aquatic Life Use is impaired based on Benthic ProbMon-Benthic IM [MI:S&F-'01,S&F-'02] at DEQ (FPM) station @ 5AAPW001.04 (Rt 612 crossing).
Sediment toxics: Observed Effects with 4 exceedances (Chlordane, DDD,DDE, Heptochlor_epox).

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| | | | | |
|---|---|---|---|---|
| VAT-K34R_MSW01A00 | Mill Swamp | 8.36 Miles | Aquatic Life | Recreation |

Delisting Summary:

PARTIAL DELIST - pH - VAT-K34R-01
Partial Delist for pH, data meets criteria during 2008 cycle with 0 violates in 14 obs. (for Class VII, based on the naturally low swamp water criteria revision to range 4.3 to 9.0 SU). Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since no criteria has been established applicable to this Class VII water). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l.

PARTIAL DELIST - FECAL COLIFORM- VAT-K34R-01

E.coli data support Recreational Use with 1 viol/11 obs at DEQ (AQM) station @ 5AMSW006.77. Previous IM in 2006 Assessment for Fecal Coliform with 3 viol/ 19 obs and E.coli based on 1 viol/ 11 obs at Station 5AMSW006.77. Previously the E.coli data had insufficient observations to replace the Fecal Coliform impairment.

TMDL ID was 00185.

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| | | | | |
|---|---|---|---|---|
| VAT-K35R_BNT01A04 | Brantley Swamp - Lower | 3.52 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAT-K35R-07

pH data (0 viol./12 obs.) collected at Station 5ABNT002.70 ARE SUPPORTING. Previous pH impairment for 2006 Assessment was based on 5 viol / 12 obs at Station 5ABNT002.70 (previous criteria 6.0 -9.0 SU).

Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR. Class VII waters do not have DO criteria yet, impairment must be retained.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chowan River and Dismal Swamp Basins

VAT-K35R_SCK01A00 Seacock Swamp - Upper 0.8 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST-pH-00669
Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR. Class VII waters do not have DO criteria yet, impairment must be retained. pH is supporting (0/2) based on data at 5ASCK018.65.

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VAT-K35R_SCK02A08 Seacock Swamp - Lower 2.45 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAT-K35R-06
Fecal Coliform delisted based on E.coli data collected at Station 5ASCK006.96 (1viol / 20 obs). Previous IM for 2006 for Fecal Coliform was 5 viol / 26 obs and E.coli was 0 viol / 8 obs for Station 5ASCK006.96.

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VAT-K35R_XDY01A04 UT Seacock Swamp 1.03 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAT-K30R-03 / 01560

pH is supporting based on data (0/4) at station 5AXDY000.96. Previous pH impairment based on criteria 6.0 - 9.0 SU with station 5AXDY000.96 pH data exceedance of 2 viol/ 4 obs.

Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR. Class VII DO criteria is not defined for this Assessment, impairment must be retained.

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VAT-K35R_XDZ02A04 UT Airfield Pond - Lower 0.71 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAT-K35R-04

pH is supporting based on revised Class VII criteria (4.3-9.0 SU). Station 5AXDZ000.81 (0 viol/ 7 obs). Previous pH impairment based on pH criteria 6.0 - 9.0. The IM for pH at Station 5AXDZ000.81 (7 viol/ 10 obs) .

Aquatic Life Use is impaired due to depressed DO concentrations impairment continued from 2004 IR. Impairment will be retained until DO criteria is established for this Class VII water.

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VAT-K36R_BLW02B08 Blackwater River - Upper 5.4 Miles Recreation

Delisting Summary:

PARTIAL DELIST - ECOLI - VAP-K32R-13

E.coli data support Recreational Use at Station 5ABLW022.84 with 2 violates/ 24 obs. Station 5ABLW022.84 exceedance of the E.coli criteria was 2 viol / 14 obs in 2006 Assessment.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chowan River and Dismal Swamp Basins

| | | | |
|---|---|---|---|
| VAT-K40R_NTW03A08 | Northwest River - Lower (PWS) | 2.99 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - ECOLI - VAT-K40R-05

Recreation Use is supporting based on E.coli concentrations at Stations 5BNTW010.23 ( 1 viol / 27 obs), 5BNTW009.49 (1 viol / 27 obs) AND 5BNTW008.97 (2 viol / 27 obs).

Previous IM in ADB was ECOLI. Data for impairment Station BNTW010.23 ( 3 viol / 11 obs), 5BNTW009.49 (3 viol / 11 obs) AND 5BNTW008.97 (3 viol / 11 obs) for Enterococci. No data for E.coli in 2006 Assessment.

| | | | |
|---|---|---|---|
| VAT-K40R_NTW04A08 | Northwest River - Mouth (PWS) | 0.72 Miles | Recreation |

Delisting Summary:

DELIST - ECOLI - VAT-K40R-07
Recreation Use is supporting based on E.coli bacteria data (2/27) at station 5BNTW007.49. Previous impairment for Station 5BNTW007.49 ( 5 viol / 11 Enterococci) in 2006 Assessment. ADB in 2006 reference E.coli as Impairment therefore the station is delisted for E.coli.

| | | | |
|---|---|---|---|
| VAT-K41R_NLR02A06 | North Landing River - Middle | 2.23 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - ECOLI - VAT-K41R-11
Delist E.coli based on data at Station 5BNLR013.62 with 1violate/ 24 obs. Station 5BNLR012.19 with 0 violate/ 1 obs.
Previous Impairment listed as E.coli in 2006 with Station 5BNLR013.62 with 4 violate/ 11 obs. Station 5BNLR012.19 with 0 violate/ 1 obs for Enterococci.

| | | | |
|---|---|---|---|
| VAT-K41R_WNC02A04 | West Neck Creek - Lower | 6.1 Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - ECOLI - VAT-K41R-06

E.coli delisted at Station 5BWNC001.73 with 2 violates/ 27 obs. Previous Impairment listed as E.coli with Station 5BWNC001.73 data 3 viol / 11 obs for Enterococci data.

| | | | |
|---|---|---|---|
| VAT-K42E_ASH01A06 | Ashville Bridge Creek - Lower | 0.022 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - pH - VAT-K42E-06

pH is fully supporting aquatic life use at Station 5ABSH002.20 with 4 viol / 41 obs. Previous 2006 Assessment Station 5BASH002.20 was impaired for pH based on 3 viol / 27 obs of the criteria 6.0 - 9.0 SU.

Aquatic Life Use impaired due to low dissolved oxygen concentrations 5 exceedances /41 observations below the criteria minimum (4.0 mg/l) at DEQ station @5BASH002.20. Source of low dissolved oxygen is probably natural conditions from low flow swamp conditions in upstream area with high organic inputs and tannic acid conditions. This is an area of hardwood swamp/wetlands where low dissolved oxygen levels and low pH can naturally occur due to high organic matter content, tannic acid conditions and low flow velocities.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-O01R_SFH01A00 South Fork Holston River 8.36 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Benthic - VAS-O01R-01 / 00897
VSCI scores demonstrate that the stations at 6CSFH98.10 and 6CSFH97.42 are no longer impaired.

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VAS-O04L_HUN01A02 Hungry Mother Lake 99.71 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-O04L-01 / 00900
DELIST - pH - VAS-O04L-01 / 00901

Hungry Mother Lake was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted.

Hungry Mother Lake was originally listed in 2002 for violating the State's water quality standard for pH. This impairment was determined to be natural as the violations of the criteria occurred in the hypolimnion in the summer months during thermal stratification of the lake. Monitoring conducted in 2003 showed no pH violations and therefore the segment should be delisted.

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VAS-O06L_SFH01A00 South Holston Reservoir 1699.32 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-O06L-00 / 00902

South Holston Reservoir was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted.

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VAS-O11L_BRU01A02 Hidden Valley Lake 57.51 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-O11L-01 / 01385
DELIST - pH - VAS-O11L-01 / 50077

Hidden Valley Lake was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted.
The lake was originally listed for violating the State's water quality standard for pH in 2006. This initial listing was an error. Only 5.4 % of the samples violated the water quality standard; therefore, this segment is considered no longer impaired based on pH.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-O11L_LAU01A02 Laurel Bed Lake 312.37 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAS-O11L-02 / 50027

Laurel Bed Lake was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, this segment should be delisted.

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VAS-P02R_IDI01A00 Indian Creek 8.85 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Aquatic Life 2004 - 01392 / 2006 VAS-P02R-02

In 1998, the segment, VAS-P02R-02, partially supported aquatic life uses based on visits to biological monitoring site 6BIDI003.67. Sampling in 1998 was performed using Rapid Bioassessment Protocol 2 (RBP2). In October 1997, the biologist rated the stream not impaired; however, in June 1998 the site was rated moderately impaired. A biological sampling station with a moderately impaired rating is listed for not supporting aquatic life uses based on DEQ 305(b) 303(d) guidance.

The biologist revisited Indian Creek at both station 6BIDI003.67 and station 6BIDI010.47 in 2005. The Stream Condition Index (SCI) was used to assess the benthic community. The April and the November samples was assessed as having SCI scores above the threshold value of 60 for impaired waters.

The biologists revisited Indian Creek at stations 6BIDI000.55, 6BIDI001.49, and 6BIDI010.47 in 2006. This assessment was completed using the Stream Condition Index (SCI). Both the Spring and the Fall assessments for all three stations were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent two consecutive sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The source of the initial listing was NPS- urban. The reasons for the improvement in 2005 and 2006 are unknown; however, the two consecutive years of improvement reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

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VAS-P03R_MID01A98 Middle Creek 2.65 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates - VAS-P03R-01
USEPA verbal approval for delist aquatic life impairment on 4.25.2006. 6BMID000.20 was sampled on 11.17.03, 07.31.03; no impairment was detected.

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VAS-P03R_MID02A98 Middle Creek 8.31 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates - VAS-P03R-01

USEPA verbal approval for aquatic life impairment on 4.25.2006. 6BMID000.20 was sampled on 11.17.03, 07.31.03; no impairment was detected.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-P06R_BCD02A00 Big Cedar Creek 2.75 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Benthic macroinvertebrates - VAS-P06R-01 / 01397

The benthic station located at 6BBCD004.18 was originally found to be moderately impaired based on the Rapid Bioassement Protocal 2 (RBP2). The station was revisited in 2006; this assessment was completed using the Stream Condition Index (SCI). Both the Spring and the Fall assessments were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The cause for the benthic impairment was unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

VAS-P06R_BCD02A02 Big Cedar Creek 1.12 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Benthic macroinvertebrates - VAS-P06R-01

The benthic station located at 6BBCD004.18 was originally found to be moderately impaired based on the Rapid Bioassement Protocal 2 (RBP2). The station was revisited in 2006; this assessment was completed using the Stream Condition Index (SCI). Both the Spring and the Fall assessments were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The cause for the benthic impairment was unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

VAS-P11L_XAR01A02 Wise Reservoir 46.11 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-O11L-01 / 01400

Wise Reservoir was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, this segment should be delisted.

VAS-P11R_SEP01A98 Sepulcher Creek 2.59 Miles Recreation

Delisting Summary:

DELIST - Total Fecal Coliform - VAS-P11R-07

The fecal coliform standard no longer applies because 12 e. coli samples were collected and the segment is fully supporting.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-P13R_STO02A98 | Stock Creek | 0.68 Miles | Aquatic Life

Delisting Summary:

DELIST - Benthic - VAS-P13R-01

The Stock Creek segment was listed based on two biological stations located at 6BSTO004.73 and 6BSTO005.26. Both stations were found to be moderately impaired. The biologists revisited the sites; one in 2005 and the other in 2006. This assessment was completed using the Stream Condition Index (SCI). Both the Spring and the Fall assessments for both years were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The source of the benthic impairment on this segment of Stock Creek was probably leachate or runoff from the Cyprus Foote and Mineral mine tailings. It is also groundwater influenced due to the limestone geology in the area and the prevalence of sinkholes. The reasons for the improvement in 2005 and 2006 are unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

VAS-P14R_COP01B04 | Copper Creek | 4.09 Miles | Recreation

Delisting Summary:

DELIST - Bacteria - VAS-P14R-01

This segment was impaired based on USGS station 03526000. DEQ's monitoring data at 5 stations in 2005 and 2006 (36 total samples) revealed that all stations met water quality standards for E.coli. Based on the most current monitoring data the segment is considered no longer impaired but fully supporting recreational uses.

The original source of the bacteria impairment is unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting recreational uses.

VAS-P16R_BCE01A00 | East Fork Blackwater Creek | 1.82 Miles | Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates - VAS-P16R-00

The biological monitoring station was sampled three times and rated as moderately impaired. DEQ biologists revisited the site in the Spring and Fall of 2006; these assessments were completed using the Stream Condition Index (SCI). Both were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The original source of the benthic impairment is unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-P17R_DAR01A02 Dark Hollow 1.32 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates - VAS-P17R-05

A biological station (9113) reported by the US Forest Service gave the site a low MAIS score for aquatic life. DEQ biologists visited the creek at 6BDAR000.26 in May 2006 under normal flow conditions. This assessment was completed using the Stream Condition Index (SCI) and was above the threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The original source of the benthic impairment is unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

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VAS-P17R_RRN01A00 Roaring Branch 2.86 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates - VAS-P17R-06

A biological station (9106) reported by the US Forest Service gave the site a low MAIS score for aquatic life. DEQ biologists visited the creek at 9-SDR000.02 in May 2006 under normal flow conditions. This assessment was completed using the Stream Condition Index (SCI) and was above the threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The original source of the benthic impairment is unknown. The reasons for the improvement in 2006 are also unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

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VAS-P20L_PWL01L02 Lake Keokee 97.47 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAS-P20L-01 / 01419

Lake Keokee was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, this segment should be delisted.
pH exceedence of the WQS were 46%.

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VAS-P21R_BTW01A98 Batie Creek 0.84 Miles Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-P21R-01

The creek was monitored as part of a special study with biological monitoring results indicating that the creek was severely impacted. Dissolved oxygen profiles showed a violation of stream standards. The most recent data from 2003 to 2006 (67 total sampling events) all met water quality standards for dissolved oxygen. The segment is considered no longer impaired for dissolved oxygen.

This region of Lee County, known as The Cedars, is a karst area. The original source of the dissolved oxygen violations was nonpoint related including an adjacent sawmill. A multi-agency collaboration resulted in the removal of a large amount of sawdust that was believed to have caused the dissolved oxygen impairment. The improved ranking reinforces the point that the stream is no longer impaired for dissolved oxygen.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Tennessee and Big Sandy River Basins

VAS-P22R_WAL01A00 Wallen Creek 2.02 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Benthic Macroinvertebrates - VAS-P22R-01

The biological monitoring station, 6BWAL001.57 originally had inconclusive data with reports fluctuating between not impaired and moderately impaired. In 1999 and 2000 the biologist rated this station as slightly impaired. The station was revisited in 2006 and the assessment was completed using the Stream Condition Index (SCI). The Spring and the Fall assessments were above the Stream Condition Index threshold of 60 for impaired streams. Based on the most recent sampling events, the segment is considered no longer impaired but fully supporting aquatic life uses.

The cause of the impairment in Wallen Creek was probably forestry and agriculture. The reasons for the improvement in 2006 are unknown; however, the improved ranking reinforces the point that the stream is no longer impaired but fully supporting aquatic life uses.

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VAS-Q13L_PNK01A02 North Fork Pound Reservoir 115.76 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-Q13L-02 / 01247
DELIST - pH - VAS-Q13L-02 / 50079

North Fork Pound Reservoir was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted. Pooled pH data revealed 2.5% excursions from WQS.

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VAS-Q13L_PNR01A02 John Flannagan Reservoir 1177.21 Acres Aquatic Life

Delisting Summary:

DELIST - Dissolved Oxygen - VAS-Q13L-01 / 01428
DELIST - pH - VAS-Q13L-01 / 50079

John Flannagan Reservoir was assessed as not supporting the Aquatic Life Use due to low dissolved oxygen in the bottom waters. The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted.
The lake was originally listed for violating the State's water quality standard for pH in 2006. This initial listing was an error. Only 4.5 % of the samples violated the water quality standard; therefore, this segment is considered no longer impaired based on pH.

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VAS-Q13R_PLL01A02 Phillips Creek 2.1 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic Macroinvertebrates

The segment was mistakenly listed on the 303(d) list in 2004. The biologists utilized the Virginia Stream Condition Index to assess the aquatic life use at station 6APLL000.17 in 2001 and found that the stream was not impaired (score was above the threshold of 60).

This error should be corrected and the segment should be delisted due to the fact that it is not impaired but fully supporting aquatic life uses.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_ANT01A98 | Antipoison Creek, Harpers Creek | 0.2097 Square Miles | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_ANT01B08 | Antipoison Creek, UT | 0.0055 Square Miles | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_ANT01C08 | Antipoison Creek, UT | 0.0325 Square Miles | Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

| | | | | |
|---|---|---|---|---|
| VAP-C01E_ANT02A08 | Antipoison Creek | 0.2009 Square Miles | Aquatic Life | Shellfishing |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

PARTIAL DELIST - Fecal Coliform (0.2009 sq. mi.) - VAP-C01E-28 / 00947

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. However, during the 2008 cycle, the condemnation was reduced and split into 3 condemnations. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions will be due in 2018 and are addressed in fact sheets C01E-50-SF and C01E-51-SF. This portion is currently open for harvest and will be delisted.

| | | | | |
|---|---|---|---|---|
| VAP-C01E_BAL01A02 | Ball Creek | 0.0893 Square Miles | Aquatic Life | Shellfishing |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

PARTIAL DELIST - Fecal Coliform - VAP-C01E-14 / 00948

VDH-DSS Shellfish Condemnation Notice 014-124B, 5/15/01 was rescinded on 5/15/2006. Although the segment was reopened for harvest, the bacteria TMDL was completed for the segment during the 2008 cycle and was approved by EPA on 8/22/2007. The segment will be considered Category 2C for the Shellfish Consumption Use..

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_BAL02A02 Ball Creek 0.1387 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_BAR01A98 Barrett Creek 0.1089 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_BAR02A08 Great Wicomico River 0.0223 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_CHA01A08 Chases Cove 0.0552 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_CLE01A98 Cloverdale Creek 0.0212 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_CLE02A06 Cloverdale Creek 0.0569 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_COC01A98 Cockrell Creek 0.6114 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_COC03A98 Cockrell Creek 0.0357 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_COC04A98 Cockrell Creek 0.4637 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_COC05A06 Cockrell Creek 0.1521 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_COL01A08 Coles Creek 0.019 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_CRN01A06 Cranes Creek 0.2 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_CRN01B06 Cranes Creek 0.0143 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_DIV03A00 Dividing Creek 0.8437 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_DVN01A04 Davenport Creek 0.0193 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_DYM01A98 Dymer Creek 0.1772 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_DYM02A00 Dymer Creek 0.7359 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_GEO01A98 Georges Cove 0.0335 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_GWR02B06 Great Wicomico River 0.016 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_HAV01A08 Harveys Creek 0.1049 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_HHB01A98 Horn Harbor 0.0685 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_HNT01A98 Hunts Cove 0.0403 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_IND01A98 Indian Creek, Pitmans Cove 0.4124 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_IND02A98 Indian Creek 0.0154 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

| | | | | |
|---|---|---|---|---|
| VAP-C01E_JAR01A02 | Jarvis Creek | 0.0638 Square Miles | Aquatic Life | Shellfishing |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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PARTIAL DELIST - VAP-C01E-30 / 00963

VDH-DSS condemnation 015-022F, 4/25/2003 was open for harvest on condemnation 015-022, 5/2/2006. This segment will be delisted for the Shellfish Consumption Use.

| | | | |
|---|---|---|---|
| VAP-C01E_JAR01B08 | Jarvis Creek | 0.0155 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_JOH01A06 Johnson Creek 0.0285 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_LEE01A02 Lees Cove 0.0154 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

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VAP-C01E_LOC01A08 Long Creek 0.0166 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_LTB01A02 Little Bay 1.177 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_LTM01A98 Little Taskmakers Creek 0.0404 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_MIL01A98 Mill Creek 0.2379 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_MIL02A08 Mill Creek 0.2389 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_MIL03A08 Mill Creek 0.2464 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_OHC01A08 Old House Cove 0.0241 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_OWP01A98 Owens Pond 0.1873 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_OYS01A08 Oyster Creek 0.1149 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_PNT01A02 Prentice Creek 0.0093 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_PNT02A02 Prentice Creek 0.1734 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_PNT02B08 Prentice Creek 0.0012 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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VAP-C01E_PNT03A02 Prentice Creek 0.0146 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

In the 2008 cycle, the mesohaline Chesapeake Bay estuary, including applicable small tributaries, failed the Deep Water Subuse's summer 30-day dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria. The segment met the Open Water Subuse's 30-day summer and rest-of-year dissolved oxygen criteria. There was insufficient data to assess the other dissolved oxygen criteria. Because the shallow tributaries were not listed for dissolved oxygen prior to the 2006 cycle, the segments will be delisted for dissolved oxygen for both the Open Water Use and Aquatic Life Use. Deep Water tributaries and tributaries impaired for dissolved oxygen in prior assessments will remain listed.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_TBS01A98 Tabbs Creek 0.2349 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_TIP01A98 Tipers Creek 0.0767 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_TIP02A08 Tipers Creek 0.0542 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_TOW01A06 Towles Creek 0.0276 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_WHY01A98 Whays Creek 0.0423 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_WHY02A08 Whays Creek 0.098 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_XDL01A02 Chesapeake Bay, UT 0.0187 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Tithe mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01E_XUC01A98 Unnamed Cove of Dividing Creek 0.0131 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAP-A34E-27 / 01766

The new Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen. The TMDL was due in 2010.

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VAP-C01R_BMS01A98 Bush Mill Stream 5.88 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAP-C01R-01 / 00977

This segment was assessed as not supporting of the Recreation use support goal based on previous fecal coliform standard violations at the Route 601 bridge (7-BMS004.46). Monitoring of this station ceased in 2001.

However, during the 2008 cycle, E. coli monitoring was conducted downstream of this segment at station 7-BMS002.08, which had an acceptable violation rate of 0/10. Therefore the segment will be delisted based on the downstream station.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_BLW01A98 Blackwater Creek 0.1008 Square Miles Shellfishing

Delisting Summary:

PARTIAL DELIST - Fecal Coliform (0.422 sq. mi.) - VAP-C04E-11 / 00996

VDH-DSS Shellfish Condemnation 131A, 6/3/1997

During the 1998 cycle, the upper portion of Blackwater Creek and Greenmansion Cove were listed as impaired due to VDH Shellfish Condemnations 131A and 131B, 6/3/1997, respectively. In subsequent assessment cycles, the Blackwater condemnation expanded downstream to its mouth at the North River and the two condemnations were merged. However, the DEQ addressed only the 1998 condemned areas in the North River Bacteria TMDL, which was approved by EPA on 6/7/2006.

In the 2008 cycle, the condemnation was reduced and split into two pieces: Greenmansion Cove (042-131A, 6/26/2006) and Oakland Creek (042-131B, 6/26/2006). Greenmansion Cove will be considered Category 4A due to the completed TMDL. Because it is now open for harvest, the upper portion of Blackwater Creek will be considered Category 2C for the Shellfish Use.

Oakland Creek was not addressed in the TMDL; since the area was first impaired during the 2006 cycle when the Blackwater Creek condemnation was larger, the TMDL will be due in 2018 (see C04E-11-SF2).

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VAP-C05E_XDJ01A08 Wilson Creek, UT 0.0102 Square Miles Shellfishing

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAP-C05E-02 / 01019

During the 2006 cycle, this unnamed tributary was included in the VDH Shellfish Condemnation for Wilson Creek (043-096B, 7/6/2004). In the 2008 cycle, the condemnation size was reduced and this cove is now open for harvest, therefore it will be partially delisted.

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VAT-C08L_LAW01A08 Lake Whitehurst (PWS) 494.93 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST-pH-76006

pH data supporting for pooled above referenced stations (6 viol / 107 obs = 5 % ).

The Aquatic Life Use is not supporting due to pooled dissolved oxygen concentration measurements (16violates / 74 obs.) below the minimum criteria (4.0 mg/L) reported from the pooled data at all monitoring lake stations sampled during the current cycle. Sample Station 7-LAW000.04 (9 violates/ 26 obs), 7-LAW001.24 (4 Violates/ 10 Obs), DP1 (0 violates/ 10 obs), DC1 (1 violates/ 5 obs), WH1 (1 violates/ 14 obs) & WH4 (1 violates/ 14 obs).

DEQ (CORE) monitoring at 7-LAW001.00 reported exceedance of the DEQ screening value for copper in sediment.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

| | | | | |
|---|---|---|---|---|
| VAT-C08L_LTR01A08 | Little Creek Reservoir - (PWS) | 199.79 | Acres | Aquatic Life |

Delisting Summary:

PARTIAL DELIST- pH - 01445

The pH observations are supporting for the aquatic life use (1/59 = 1.7 %). Previous 2006 Impairment for pH was based on Station 7-LTR000.04 (9 / 21 = 11%) & LC1(2/18 =42.8 % ) for LTR02A02.

The Aquatic Life Use impairment is for dissolved oxygen concentrations below the minimum criteria (4.0 mg/L) as reported by observations pooled for 7-LTR000.04, 7-LTR000.95 and LC1 (11violates / 53 obs.) sampled during the current cycle. Individual station observations include 7-LTR000.04 ( 4 violates/ 21 obs.) , 7-LTR000.95 ( 6 violates/ 20 obs.) and LC1 (1 violates/ 12 obs).

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|---|---|---|---|---|
| VAT-C12E_PUN01A06 | Pungoteague Creek - Upper | 0.4555 | Square Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Enterococcus - VAT-C12E-01 / 76013
The previous 2006 IR Recreation Use impairment listing (based on exceedance of the Enterococcus (76013) bacteria criteria ( 2 violates / 15 obs.) is proposed for delisting with the 2008 IR data for Enterococcus bacteria ( 1 violates / 25 obs.) from the downstream station @ 7-PUN002.12. The Recreation Use assessment is based on data from the downstream station @ 7-PUN002.12.

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|---|---|---|---|---|
| VAT-C12E_PUN02A06 | Pungoteague Creek - Lower | 1.2037 | Square Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Enterococcus - VAT-C12E-01 / 76013
The previous 2006 IR Recreation Use impairment listing (based on exceedance of the Enterococcus (76013) bacteria criteria ( 2 violates / 15 obs.) is proposed for delisting with the 2008 IR data for Enterococcus bacteria ( 1 violates / 25 obs.) from the downstream station @ 7-PUN002.12. The Recreation Use assessment is based on data from the station @ 7-PUN002.12.

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|---|---|---|---|---|
| VAT-C12E_TAY01A06 | Taylor Creek | 0.1647 | Square Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Enterococcus - VAT-C12E-01 / 76013
The previous 2006 IR Recreation Use impairment listing (based on exceedance of the Enterococcus (76013) bacteria criteria ( 2 violates / 15 obs.) is proposed for delisting with the 2008 IR data for Enterococcus bacteria ( 1 violates / 25 obs.) from the downstream station @ 7-PUN002.12. The Recreation Use assessment is based on data from the downstream station @ 7-PUN002.12.

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|---|---|---|---|---|
| VAT-C12E_WRP01A06 | Warehouse Prong - Upper | 0.0424 | Square Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Enterococcus - VAT-C12E-01 / 76013
The previous 2006 IR Recreation Use impairment listing (based on exceedance of the Enterococcus (76013) bacteria criteria ( 2 violates / 15 obs.) is proposed for delisting with the 2008 IR data for Enterococcus bacteria ( 1 violates / 25 obs.) from the downstream station @ 7-PUN002.12. The Recreation Use assessment is based on data from the downstream station @ 7-PUN002.12.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## Chesapeake Bay/Atlantic/Small Coastal Basins

| | | | | |
|---|---|---|---|---|
| VAT-C12E_WRP02A06 | Warehouse Prong - Lower | 0.0541 | Square Miles | Recreation |

Delisting Summary:

PARTIAL DELIST - Enterococcus - VAT-C12E-01 / 76013
The previous 2006 IR Recreation Use impairment listing (based on exceedance of the Enterococcus (76013) bacteria criteria ( 2 violates / 15 obs.) is proposed for delisting with the 2008 IR data for Enterococcus bacteria ( 1 violates / 25 obs.) from the downstream station @ 7-PUN002.12. The Recreation Use assessment is based on data from the downstream station @ 7-PUN002.12.

| | | | | |
|---|---|---|---|---|
| VAT-C12R_TAY01A04 | Taylor Creek | 0.88 | Miles | Recreation |

Delisting Summary:

PARTIAL DELIST- E.coli - VAT-C12R-02 / 76015
The previous 2006 IR Recreation Use impairment listing (based on previous exceedance of the Fecal Coliform bacteria criteria exceedance ( 2 violates / 10 obs.) and insufficient data to assess the E.coli bacteria criteria ( 1 violates / 7 obs.) is proposed for delisting with the 2008 IR data for E.coli bacteria ( 1 violates / 10 obs.) from the station @ 7-TAY003.11.

| | | | | |
|---|---|---|---|---|
| VAT-C15E_CRS01A06 | Cherrystone Inlet - Upper | 0.3035 | Square Miles | Shellfishing |

Delisting Summary:

PARTIAL DELIST- Fecal Coliform - VAT-C15E-11
The Shellfishing Use is fully supported due to DSS re-classification as (OPEN) shellfish direct harvesting condemnation # 088-139 (effective 20060804). Previous (2006 IR) Use ID = VAT-C15E-11 (76556).

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## York River Basin

VAN-F01R_SAR02A02 South Anna River 6.96 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - benthic-macroinvertebrate bioassessments (streams) - 60108

Eight biological monitoring events have occurred between January 2003 and December 2006. While four of these events have resulted in a VSCI score which indicates an impaired macroinvertebrate community, four of the five most recent monitoring events have resulted in a VSCI score which indicates that the segment is fully supporting the aquatic life use goal. An observed effect will be noted, rather than an impairment.

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VAN-F07R_TRY02A02 Terrys Run 3.59 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - dissolved oxygen - VAN-F07R-02 / 00855

For the 2004 water quality assessment, sufficient excursions below the instantaneous dissolved oxygen criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (8-TRY006.72) at the Route 624 crossing to assess this stream segment as not supporting of the aquatic life use goal. While the data for the 2006 water quality assessment demonstrated that the dissolved oxygen criterion was being met, additional information was collected For the 2008 Integrated Assessment, dissolved oxygen monitoring at station 8-TRY006.72 (0 of 14 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

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VAN-F15R_NIR01A00 Ni River 5.42 Miles Aquatic Life

Delisting Summary:

DELIST - pH - VAN-F15R-01 / 00857

For the 2006 water quality assessment, sufficient excursions below the pH criterion range (3 of 23 samples - 13.0%) were recorded at DEQ's ambient water quality monitoring station (8-NIR003.96) at the Route 1 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. However, for the 2008 Integrated Assessment, pH monitoring at station 8-NIR003.96 (0 of 16 samples - 0.0%) demonstrate that the segment is fully supporting the aquatic life use.

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VAN-F16R_POR01A02 Po River 7.39 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAN-F16R-02 / 00858

For the 2006 water quality assessment, sufficient excursions below the pH criterion range (3 of 27 samples - 11.1%) were recorded at DEQ's ambient water quality monitoring station (8-POR008.97) at the Route 208 bridge to assess this stream segment as not supporting of the aquatic life use goal. However, for the 2008 Integrated Assessment, pH monitoring at station 8-POR008.97 (2 of 37 samples - 5.4%) demonstrate that the segment is fully supporting the aquatic life use.

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VAN-F16R_POR02A02 Po River 2.06 Miles Recreation

Delisting Summary:

DELIST - fecal coliform - VAN-F16R-01 / 00862

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (8-POR022.56) at the Route 612 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 8-POR022.56 (0 of 6 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## York River Basin

| | | | | |
|---|---|---|---|---|
| VAN-F18R_TAR01A00 | Ta River | 3.3 Miles | Recreation | |

Delisting Summary:

DELIST - fecal coliform - VAN-F18R-01 / 00861

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (8-TAR002.40) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 8-TAR002.40 (0 of 2 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

| | | | | |
|---|---|---|---|---|
| VAN-F21R_HER01B02 | Herring Creek | 4.92 Miles | Recreation | |

Delisting Summary:

PARTIAL DELIST - fecal coliform - VAN-F21R-01 / 00865

For the 2006 water quality assessment, sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (8-HER005.12) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal. However, for the 2008 Integrated Assessment, E. coli bacteria is used to determine support of the recreation use. E. coli monitoring at station 8-HER005.12 (0 of 11 samples - 0.0%) demonstrate that the segment is fully supporting the recreation use.

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|---|---|---|---|---|
| VAP-F13E_ZZZ01A00 | Unsegmented estuaries in F13 | 0.2791 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen (0.2792 sq. mi.) - VAP-F13E-01 / 01773

During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria were used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The Pamunkey Tidal Freshwater segment was in attainment of both the site-specific 30-day open water summer DO criteria and the 30-day Rest of Year DO criteria.
In addition, the Shallow Water Use was fully supporting the SAV acreage and Water Clarity criteria.

Although the Pamunkey Tidal Freshwater segment was in attainment of every Chesapeake Bay criteria which was measured, there was insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, therefore the mainstem remain impaired due to EPA's overlisting. However, the tributaries were not included in the overlist and were only considered impaired due to the 30-day OW summer DO criteria, which they now meet, therefore the tributaries will be delisted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## York River Basin

VAP-F14E_CMC01A06 Cohoke Mill Creek 0.026 Square Miles Aquatic Life Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen (0.0261 sq. mi.) - VAP-F13E-01 / 01773

During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria were used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The Pamunkey Tidal Freshwater segment was in attainment of both the site-specific 30-day open water summer DO criteria and the 30-day Rest of Year DO criteria.
In addition, the Shallow Water Use was fully supporting the SAV acreage and Water Clarity criteria.

Although the Pamunkey Tidal Freshwater segment was in attainment of every Chesapeake Bay criteria which was measured, there was insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, therefore the mainstem remain impaired due to EPA's overlisting. However, the tributaries were not included in the overlist and were only considered impaired due to the 30-day OW summer DO criteria, which they now meet, therefore the tributaries will be delisted.

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VAP-F14E_PMK05B00 Pamunkey River 1.3062 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F14E-01 / 10085

In the 2006 cycle, the oligohaline portion of the mainstem Pamunkey River (5.3 sq. mi.) was assessed as not supporting of the Aquatic Life use based on the results of the Chesapeake Bay Benthic - Index of Biological Integrity. The source of the benthic alteration is suspected to be sediment contamination. The TMDL is due in 2018. However, subsequent analysis in the 2008 cycle indicated that the PMKOHa segment did not have an impaired benthic community, therefore the segment will be delisted.

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VAP-F14E_PMK06A00 Pamunkey River 3.3932 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F14E-01 / 10085

In the 2006 cycle, the oligohaline portion of the mainstem Pamunkey River (5.3 sq. mi.) was assessed as not supporting of the Aquatic Life use based on the results of the Chesapeake Bay Benthic - Index of Biological Integrity. The source of the benthic alteration is suspected to be sediment contamination. The TMDL is due in 2018. However, subsequent analysis in the 2008 cycle indicated that the PMKOHa segment did not have an impaired benthic community, therefore the segment will be delisted.

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VAP-F14E_PMK06B06 Pamunkey River 0.5847 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F14E-01 / 10085

In the 2006 cycle, the oligohaline portion of the mainstem Pamunkey River (5.3 sq. mi.) was assessed as not supporting of the Aquatic Life use based on the results of the Chesapeake Bay Benthic - Index of Biological Integrity. The source of the benthic alteration is suspected to be sediment contamination. The TMDL is due in 2018. However, subsequent analysis in the 2008 cycle indicated that the PMKOHa segment did not have an impaired benthic community, therefore the segment will be delisted.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## York River Basin

| | | | | |
|---|---|---|---|---|
| VAP-F14E_PMK07A04 | Pamunkey River | 0.3899 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F14E-06 / 01114

B-IBI segment YRKMHa was initially assessed as impaired during the 2004 cycle. During the 2006 cycle, the segment remained impaired. The TMDL was due in 2016. However, additional analysis during the 2008 cycle determined that the segment did not have an impaired benthic community and the segment will be delisted.

| | | | | |
|---|---|---|---|---|
| VAP-F14E_ZZZ01A00 | Unsegmented estuaries in F14 | 0.6586 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen (0.6587 sq. mi.) - VAP-F13E-01 / 01773

During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria were used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The Pamunkey Tidal Freshwater segment was in attainment of both the site-specific 30-day open water summer DO criteria and the 30-day Rest of Year DO criteria.
In addition, the Shallow Water Use was fully supporting the SAV acreage and Water Clarity criteria.

Although the Pamunkey Tidal Freshwater segment was in attainment of every Chesapeake Bay criteria which was measured, there was insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, therefore the mainstem remain impaired due to EPA's overlisting. However, the tributaries were not included in the overlist and were only considered impaired due to the 30-day OW summer DO criteria, which they now meet, therefore the tributaries will be delisted.

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|---|---|---|---|---|
| VAP-F14R_HSN01A00 | Harrison Creek | 2.59 Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAP-F14R-02 / 01116

Harrison Creek was initially assessed as not supporting of the Aquatic Life Use in 2004 based on a pH violation rate of 2/2 at the Route 632 bridge (8-HSN002.12). During the 2008 cycle, the violation rate fell to 2/23, therefore the segment will be delisted.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## York River Basin

| | | | | |
|---|---|---|---|---|
| VAP-F23E_ZZZ01A00 | Unsegmented estuaries in F23 | 0.0974 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen (0.0974 sq. mi.) - VAP-F23E-03 / 00440

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater portion of the Mattaponi had acceptable SAV acreages and was considered fully supporting the Shallow Water Uses. However, the area failed the default CB 30-day open water summer criteria of 5.5 mg/L. The TMDL was due in 2010.

Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The Mattaponi Tidal Freshwater segment is in attainment of both the site-specific 30-day open water summer DO criteria and the 30-day Rest of Year DO criteria. In addition, the Shallow Water Use was fully supporting the SAV acreage and Water Clarity criteria.

Although the Mattaponi Tidal Freshwater segment was in attainment of every Chesapeake Bay criteria which was measured, there was insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, therefore the mainstem must remain impaired due to EPA's overlisting. However, the tributaries were not included in the overlist and were only listed for the 30-day OW DO criteria, which they now meet, therefore the tributaries will be delisted.

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|---|---|---|---|---|
| VAP-F24E_MPN03A98 | Mattaponi River | 1.3916 Square Miles | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - pH - VAP-F24E-01 / 10089

The Mattaponi River from Garnetts Creek downstream to the oligohaline boundary was considered impaired of the Aquatic Life Use in 2006 based on a pH violation rate of 2/16 at 8-MPN017.45 near Wakema. There is only low confidence in the impairment in this segment due to an acceptable violation rate at 8-MPN017.46, however the Mattaponi River upstream of Garnetts Creek has confirmed pH violations due to natural marsh conditions. Further monitoring at this station was recommended to confirm the impairment in this portion of the Mattaponi.

During the 2008 cycle, additional monitoring was conducted within the segment. The pH violation rates were acceptable at all stations (see below), therefore the segment will be delisted.

2/20 at 8-MPN017.45
2/36 at 8-MPN017.46
0/57 at VIMS station MPN018.70
0/43 at VIMS station MPN021.95

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## York River Basin

| | | | | |
|---|---|---|---|---|
| VAP-F24E_ZZZ01A00 | Unsegmented estuaries in F24 | 0.0489 Square Miles | Aquatic Life | Open-Water Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen (0.0489 sq.mi.) - VAP-F23E-03 / 00440

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater portion of the Mattaponi had acceptable SAV acreages and was considered fully supporting the Shallow Water Uses. However, the area failed the default CB 30-day open water summer criteria of 5.5 mg/L. The TMDL was due in 2010.

Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The Mattaponi Tidal Freshwater segment is in attainment of both the site-specific 30-day open water summer DO criteria and the 30-day Rest of Year DO criteria. In addition, the Shallow Water Use was fully supporting the SAV acreage and Water Clarity criteria.

Although the Mattaponi Tidal Freshwater segment was in attainment of every Chesapeake Bay criteria which was measured, there was insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, therefore the mainstem must remain impaired due to EPA's overlisting. However, the tributaries were not included in the overlist and were only listed for the 30-day OW DO criteria, which they now meet, therefore the tributaries will be delisted.

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|---|---|---|---|
| VAP-F25E_MPN06A04 | Mattaponi River | 0.2098 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F25E-03 / 01124

The mesohaline portion of the York River, which includes the downstream portion of the Mattaponi River (0.82 sq. mi.), was impaired for the Aquatic Life use in the 2006 cycle due to the results of the Chesapeake Bay Benthic Index of Biological Integrity study. During the 2008 cycle, additional analysis showed that the benthic community was not impaired, therefore the segment will be delisted.

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|---|---|---|---|
| VAP-F25E_MPN06B06 | Mattaponi River | 0.6419 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - VAP-F25E-03 / 01124

The mesohaline portion of the York River, which includes the downstream portion of the Mattaponi River (0.82 sq. mi.), was impaired for the Aquatic Life use in the 2004 and 2006 cycles due to the results of the Chesapeake Bay Benthic Index of Biological Integrity study. During the 2008 cycle, additional analysis showed that the benthic community was not impaired, therefore the segment will be delisted.

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# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## York River Basin

VAT-F26E_YRK01A04 York River 6.966 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01482

The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer. There are insufficient data to assess the Open Water - Record of Year (ROY) Use. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. The TMDL is due in 2010.
The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. Previously, CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016.
Previous (2006 IR) Use ID = VAT-F26E-01.
Aquatic Life Use impairments related to chloride exceedance of acute criteria (freshwater criteria apply since classified Tidal Freshwater). The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters. The TMDL is due in 2020.

VAT-F26E_YRK02A02 York River (Upper Middle) 0.3831 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01482

The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer. There are insufficient data to assess the Open Water - Record of Year (ROY) Use. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. The TMDL is due in 2010.
The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. Previously, CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016.
Previous (2006 IR) Use ID = VAT-F26E-01.

VAT-F26E_YRK02B06 York River (Lower Middle MSN) 3.0757 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01482

The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer. There are insufficient data to assess the Open Water - Record of Year (ROY) Use. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. The TMDL is due in 2010.
The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. Previously, CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016.
Previous (2006 IR) Use ID = VAT-F26E-01.

VAT-F26E_YRK03A00 York River (Lower Middle) 22.5516 Square Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01482

The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer. There are insufficient data to assess the Open Water - Record of Year (ROY) Use. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. The TMDL is due in 2010.
The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. Previously, CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016.
Previous (2006 IR) Use ID = VAT-F26E-01.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## York River Basin

| | | | | |
|---|---|---|---|---|
| VAT-F27E_YRK01A00 | York River - Lower Middle | 8.2277 | Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.

| | | | | |
|---|---|---|---|---|
| VAT-F27E_YRK01B00 | York R - DSS AdminCond @ Cheatham Annex/Camp Peary | 0.2599 | Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria, the Deep Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

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|---|---|---|---|---|
| VAT-F27E_YRK01C00 | York R - DSS AdminCond @ Naval Weapons Station | 0.2353 | Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria, the Deep Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | | Uses Partially / Fully Restored |
|---|---|---|---|---|

## York River Basin

VAT-F27E_YRK01D06 — York River - Yorktown Beach — 0.0236 Square Miles — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

VAT-F27E_YRK01E06 — York River - Gloucester Point Beach — 0.0177 Square Miles — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

VAT-F27E_YRK02A00 — York River - Lower — 11.7057 Square Miles — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. In addition, there were sufficient exceedances of the standard for Dissolved Oxygen at bottom water (deeper than 10 meters) observations at monitoring station on the York River (8-YRK011.14 & 8-YRK001.64) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria, the Deep Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-F26E-01 & 1999 CD segment for DO (Attachment A, Category 1, Part 2) VAT-F27E-03.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## York River Basin

| | | | |
|---|---|---|---|
| VAT-F27E_YRK02B00 | York R - DSS AdminCond @ HRSD York STP/Amoco | 0.5142 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria, the Deep Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-F26E-01 & 1999 CD segment for DO (Attachment A, Category 1, Part 2) VAT-F27E-03.

| | | | |
|---|---|---|---|
| VAT-F27E_YRK02C00 | York River - DSS AdminCond @ Wormley to USCG | 2.6836 Square Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - Estuarine Bioassessments - F26E-01-EBEN / 01487

The Estuarine Bioassessments Cause is proposed for delisting in the 2008 IR due to attainment as assessed against the CBP criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. Previously, CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 & 2006 305(b) reports due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The TMDL is due in 2016. Previous TMDL ID = VAT-F26E-01.
The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria, the Deep Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

1999 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-F26E-01 & 1999 CD segment for DO (Attachment A, Category 1, Part 2) VAT-F27E-03.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## New River Basin

VAS-N06R_CST01A94 Chestnut Creek 9.17 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAS-N06R-01 / 00694
In 2008 the water quality standard for e.coli is met at 9-CST002.64. Only one sample of 16 collected in 2005-06 exceeded the e.coli standard.

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VAS-N06R_CST02A94 Chestnut Creek 4.81 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Fecal Coliform - VAS-N06R-01 / 00694
In 2008 the water quality standard for e.coli is met at 9-CST002.64. Only one sample of 16 collected in 2005-06 exceeded the e.coli standard.

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VAS-N09R_CPL02A98 Cripple Creek 6.25 Miles Aquatic Life

Delisting Summary:

PARTIAL DELIST - Benthic Macroinvertebrates - VAS-N09R-00 / 00503
This AU was originally overlisted by EPA in 1998. VSCI scores for samples collected in 2005 and 2006 are greater than the impairment threshold of 60.

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VAS-N10L_XBL01A02 Rural Retreat Lake 85.46 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen - VAS-N10L-01 / 50026

The low DO only occurred during periods of stratification. For the 2008 assessment cycle, nutrient criteria was developed for lakes and therefore DO was no longer considered an impairment at lower depths. Due to this water quality standard change, theses segments should be delisted.

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VAS-N26R_SDR01A00 Standrock Branch 1.13 Miles Aquatic Life

Delisting Summary:

DELIST - Benthic - 00893
This AU was originally listed because in 1998 USFS site #8096, monitored under drought conditions, was rated poor (MAIS=11). DEQ biologists sampled on May 16, 2006 to determine whether the station was impaired under normal conditions. The VSCI score was 65 - fully supporting.

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VAW-N16L_NEW01A02 Claytor Lake Lower (New River) 1803.54 Acres Aquatic Life

Delisting Summary:

PARTIAL DELIST - pH - VAW-L16L-01N & 01719

A portion of Claytor Lake (1,803.55 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) pH (alkaline 9.0) Standard Units (SU). The pH impairment is categorized 5C as alkaline exceedences occurred in the epilimnion in six of 18 measurements at station 9-NEW087.14 (above Dam under power lines) and in three of 18 measurements at station 9-NEW089.34 (across from State Park) three of 18 measurements. WQS pH criterion apply throughout the water column.
The 2008 assessment finds this portion of the reservoir fully supports the Aquatic Life Use from the following pooled pH data from six stations across Claytor Lake. pH measurements find 21 excursions from 617 measurements; a 3.4% exceedence rate. 2008 Cycle exceedences at the two 2002 303(d) Listing stations are: 9-NEW087.14 six of 144 and 9-NEW089.34 four of 112 measurements. Assessment of nutrient criteria for total phosphorus finds 0 / 2; a 0% exceedence rate and chlorophyll a at 0 / 2 and a 0% exceedence rate each fully supporting. The waters are delisted for pH based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## New River Basin

VAW-N16L_NEW03A02 — Claytor Lake Middle 2 (New River) PWS — 704.08 Acres — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen 704.08 acres - VAW-N16L-01N & 01718

A portion of Claytor Lake (NHD: 4,286.79 total acres) New River (03A02 - 704.08 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that the New River portion (03A02) fully supports the Aquatic Life Use from the following pooled data from station 9 NEW098.32. Dissolved oxygen measurements exceed the 4.0 mg/l minimum criterion in 27 of 441 total observations; exceedence rate of 6.1%. The waters are delisted for dissolved oxygen based on these results.

VAW-N16L_NEW04A02 — Claytor Lake Middle 3 (New River) PWS — 435.57 Acres — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen 435.57 acres - VAW-N16L-01N & 01718

A portion of Claytor Lake (NHD: 4,286.79 total acres) New River (04A02 - 435.57 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that the New River portion (04A02) fully supports the Aquatic Life Use from the following pooled data from station 9 NEW098.32. Dissolved oxygen measurements exceed the 4.0 mg/l minimum criterion in 27 of 441 total observations; exceedence rate of 6.1%. The waters are delisted for dissolved oxygen based on these results.

VAW-N16L_NEW05A02 — Claytor Lake Upper 1 (New River) PWS — 660.27 Acres — Aquatic Life

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen 660.28 acres - VAW-N16L-01N & 01718

A portion of Claytor Lake (NHD: 4,286.79 total acres) New River (05A02 - 660.28 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that the New River portion (05A02) fully supports the Aquatic Life Use from the following pooled data from station 9 NEW098.32. Dissolved oxygen measurements exceed the 4.0 mg/l minimum criterion in 27 of 441 total observations; exceedence rate of 6.1%. The waters are delisted for dissolved oxygen based on these results.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored | |
|---|---|---|---|---|

## New River Basin

| | | | | |
|---|---|---|---|---|
| VAW-N16L_NEW06A02 | Claytor Lake Upper 2 (New River) Non PWS | 146.64 Acres | Aquatic Life | |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen 146.65 acres - VAW-N16L-01N & 01718

A portion of Claytor Lake (NHD: 4,286.79 total acres) New River (06A02 - 146.65 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) minimum criterion of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that the New River portion (06A02) fully supports the Aquatic Life Use from the following pooled data from station 9 NEW098.32. Dissolved oxygen measurements exceed the 4.0 mg/l minimum criterion in 27 of 441 total observations; exceedence rate of 6.1%. The waters are delisted for dissolved oxygen based on these results.

| | | | | |
|---|---|---|---|---|
| VAW-N16L_PKC02A02 | Claytor Lake - Peak Creek Upper | 77.74 Acres | Aquatic Life | Recreation |

Delisting Summary:

PARTIAL DELIST - Dissolved Oxygen 77.74 acres - VAW-N16L-02 & 50295

A portion of Claytor Lake (NHD: 4,286.79 total acres) Peak Creek (Upper) (77.74 acres) is originally 2002 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that the Peak Creek (Upper) fully supports the Aquatic Life Use from the following pooled data from station 9-PKC004.16. Two of 27 dissolved oxygen measurements exceed the 4.0 mg/l minimum criterion; exceedence rate of 7.4%. The waters are delisted for dissolved oxygen based on these results.

PARTIAL DELIST - Escherichia Coli 77.74 acres - VAW-N16L-02 & 50295

The 2006 303(d) Listing of these waters is based on exceedences of Escherichia coli (E.coli) in excess of the 235 cfu/100 ml instantaneous criterion in two of nine samples. The 2008 assessment finds at station 9-PKC04.65 (Rt. 100 Bridge) two of 21 samples exceed the instantaneous criterion; a 9.5 per cent exceedence rate. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters].
A review of fecal coliform data from 1996 and E.coli data from 2003 through 2006 find that fecal coliform exceedences of the former applicable 400 cfu/100 ml instantaneous criterion are only two of 49 samples and E.coli are two of 21. Additionally downstream station 9-PKC004.16 (N16L) reports zero of 29 E.coli samples exceed the instantaneous criterion. The waters are delisted as both pathogen exceedence rates are less than 10.5 per cent.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## New River Basin

| | | | |
|---|---|---|---|
| VAW-N16R_NEW01A00 | New River Upper (Allisonia) | 0.66 Miles | Aquatic Life |

Delisting Summary:

PARTIAL DELIST - General Standard (Benthic) 0.81 / 0.66 miles - VAW-N16R-01 & 01721

The 2006 average Virginia Stream Condition Index (VSCI) scores are spring 63.4 and fall 63.5. This index shows that a VSCI score of 60.0 is the lower limit for reference (or, unimpaired) conditions in a benthic community.
Station 9-NEW107.95 (Allisonia near Gage) appears to have a good benthic community for a large river, including high numbers of pollution intolerant taxa. These waters were originally 303(d) Listed in 1998 (0.81 miles) based on the US EPA RBP II sampling methodology. 2008 mileage associated with this AU was calculated using the National Hydrography Dataset (NHD) producing 0.66 miles. The US EPA RBPII method for sampling riffle-run habitats in wadeable streams was not an appropriate method for sampling the New River at Allisonia in 1994. The habitat in the Allisonia area is mostly non-wadeable. Therefore, the few riffle-like areas among the bedrock ledges would not normally be targeted to sample for a benthic macroinvertebrate assessment. As such, the substrate might be a natural limiting factor in the taxa and numbers of organisms collected. The 1994 samples were collected as part of a study on low flow conditions and were not intended for use in biological assessments. Despite the natural limits due to the type of habitat sampled, the results from Allisonia in 1997 and 2006 indicate the benthic macroinvertebrate community is well-balanced, taxonomically diverse, and included pollution-sensitive taxa. Taxa of intermediate pollution tolerance were also present and very few highly pollution tolerant taxa were observed in recent samples. These waters are therefore delisted for the Aquatic Life Use General Standard (Benthic) impairment.

| | | | |
|---|---|---|---|
| VAW-N17L_PKC01A02 | Gatewood Reservoir | 176.14 Acres | Aquatic Life |

Delisting Summary:

DELIST - Dissolved Oxygen - VAW-N17L-02N & 50029

Gatewood Reservoir (NHD: 176.15 acres) is originally 2006 303(d) Listed for excursions of the Class IV Water Quality Standard (WQS) of 4.0 mg/l. The impairment is categorized as natural (4C) as exceedences occur in the hypolimnion due to thermal stratification. Virginia's Lake Nutrient Criteria (9 VAC 25-260-187) states the nutrient criteria apply only in the epilimnion for lacustrine waters during thermal stratification for control of nutrient enrichment. The Draft Implementation Guidance memo outlines criteria for evaluating dissolved oxygen during periods of thermal stratification. The 2008 assessment finds that as a whole the reservoir Fully Supports the Aquatic Life Use from the following pooled data. There are three dissolved oxygen exceedences in the epilimnion from 88 total observations; a 3.4% exceedence rate. The waters are delisted for dissolved oxygen based on these results.

| | | | |
|---|---|---|---|
| VAW-N22R_STE03A00 | Stroubles Creek Middle 2 | 2.1 Miles | Recreation |

Delisting Summary:

DELIST - Fecal Coliform 2.10 miles - VAW-N22R-02 & 50299

These waters were originally 303(d) Listed in 2002 for exceedence of the former fecal coliform bacteria Water Quality Standard (WQS) instantaneous criterion of 1000 cfu/00 ml where three of 23 samples exceeded at station 9-STE002.41 (Rt. 705 Bridge - Coal Hollow Road). The WQS were amended and the fecal coliform instantaneous criterion changed in 2004 to 400 cfu/100 ml. 2004 exceedences of the new instantaneous criterion were four of 35 fecal coliform samples with an exceedence rate of 11.4 percent. WQS were again amended to change the indicator organism to Escherichia coli (E.coli) and the instantaneous criterion of 235 cfu/100 ml established. Beginning with the 2006 assessment sufficient E.coli data were first available for assessment [9 VAC 25-260-170. Bacteria; other waters]. E.coli instantaneous exceedences in 2006 were three of 19 observations for a 15.7 per cent exceedence rate. 2008 E.coli data from station 9-STE002.41 find three of 31 samples in excess of the current instantaneous criterion with an exceedence rate of 9.6 per cent; less than 10.5 per cent. 2.10 miles are partially delisted for bacteria as a result while 4.98 miles remain impaired for the Recreational Use.

# Waters Identified for Delisting Since 2006 Report

| Assessment Unit ID | Waterbody Name | Size | Uses Partially / Fully Restored |
|---|---|---|---|

## New River Basin

VAW-N24R_LRY01A00 Little Stony Creek Lower 2.04 Miles Recreation

Delisting Summary:

DELIST - Fecal Coliform - VAW-N24R-01 & 01733

The waters were originally 2002 303(d) Listed with 2 of 17 fecal coliform (FC) samples exceeding the former 1000 cfu/100 ml Water Quality Standards (WQS) criterion at station 9-LRY000.28 (Rt. T1404 Snidow St. in Pembroke). The 2004 IR reports two of 14 FC observations exceed the amended WQS 400 cfu/100 ml instantaneous criterion. Escherichia coli (E.coli) replaces fecal coliform bacteria as the indicator as per Water Quality Standards [9 VAC 25-260-170. Bacteria; other waters]. Escherichia coli (E.coli) records no excursions of the 235 cfu/100 ml instantaneous criterion from 11 observations. The exceedence rate is 0% and therefore fully delisted.

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VAW-N29R_NEW01A02 New River Lower 3.14 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Escherichia Coli 3.14 miles - VAW-N29R-01 & 50302

The initial 2006 303(d) Listing of these waters is a result of Escherichia coli (E.coli) excursions of the 235 cfu/100 ml instantaneous criterion resulting in a total 13.52 mile impairment. Two of nine E.coli samples exceeded the 235 cfu/100 ml instantaneous criterion at station 9-NEW030.15 (Route 460 Bridge at Glen Lyn). Each exceeding values is 240 and greater than 800 cfu/100 ml.
The 2008 assessment finds the waters are fully supporting with two of 21 samples in excess of the instantaneous criterion and the same exceeding values as in 2006. The waters are delisted as the exceedence rate is less than 10.5%.

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VAW-N29R_NEW02A02 New River Middle 1 3.5 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Escherichia Coli 3.5 miles - VAW-N29R-01 & 50302

The initial 2006 303(d) Listing of these waters is a result of Escherichia coli (E.coli) excursions of the 235 cfu/100 ml instantaneous criterion resulting in a total 13.52 mile impairment. Two of nine E.coli samples exceeded the 235 cfu/100 ml instantaneous criterion at 9-NEW030.15 (Route 460 Bridge at Glen Lyn). Each exceeding values is 240 and greater than 800 cfu/100 ml.
The 2008 assessment finds the waters are fully supporting with two of 21 samples in excess of the instantaneous criterion and the same exceeding values as in 2006. The waters are delisted as the exceedence rate is less than 10.5%.

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VAW-N35R_NEW01A00 New River 6.85 Miles Recreation

Delisting Summary:

PARTIAL DELIST - Escherichia Coli 6.85 miles - VAW-N29R-01 & 50302

The initial 2006 303(d) Listing of these waters is a result of Escherichia coli (E.coli) excursions of the 235 cfu/100 ml instantaneous criterion resulting in a total 13.52 mile impairment. Two of nine E.coli samples exceeded the 235 cfu/100 ml instantaneous criterion at 9-NEW030.15 (Route 460 Bridge at Glen Lyn). Each exceeding values is 240 and greater than 800 cfu/100 ml.
The 2008 assessment finds the waters are fully supporting with two of 21 samples in excess of the instantaneous criterion and the same exceeding values as in 2006. The waters are delisted as the exceedence rate is less than 10.5%.

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